A Complete Bibliography of Publications in *Numerical Algebra, Control and Optimization*

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(F, E) [150]. (ρ, η, A) [24]. $*$ [135]. 1 [49]. 3 [14]. $A + BXB^*$ [205]. α [147]. $AXA^* = B$ [305]. $AXB = C$ [382]. Γ [245]. S [245]. C_k [49]. C_m [49]. E [439, 152]. f_i [146]. G [150]. H^1 [16]. H_∞ [427, 182, 360]. $i \neq j$ [76]. l^k [28]. L_1 [197]. L_∞ [279]. M [143]. $\mathbf{R}^n$ [128]. $P_* (\kappa)$ [407]. ϕ [174]. S [157]. $SE(3)$ [321]. θ [336]. V [439]. $V_i V_j^T = \mathbf{O}$ [76].

***** [135]. ***-representation** [135].

-algebras [135]. **-Benson** [152]. **-constrained** [197]. **-convergence** [245]. **-differentiable** [439]. **-eigenvalues** [28]. **-expansive** [146]. **-goodness** [157]. **-HLCP** [407]. **-homogenization** [245]. **-invexity** [439, 24]. **-Lyapunov** [16]. **-matrix** [143]. **-norm** [279]. **-uniformly** [174]. **-well-posedness** [147].

2D [241, 182]. **2D-delayed** [182]. **2nd** [260]. **2nd-order** [260].

a-posteriori [85]. **absolute** [340, 278, 421, 403]. **accelerated** [249]. **access** [48]. **achievement** [58]. **Active** [15, 395, 427]. **actuated** [387]. **actuator** [378]. **actuators** [82]. **Adaptive** [248, 259, 391, 132, 140]. **Adding** [364]. **adequate** [289]. **Adjacent** [159, 32]. **adjoint** [252]. **adjusting** [183]. **adjustment** [113, 214]. **Admission** [45]. **adult** [399]. **advances** [3]. **advection** [226]. **advective**

[391]. **after** [46]. **after-call** [46]. **against** [378]. **agent** [324, 264]. **AGWO** [411]. **AGWO-PSO** [411]. **aided** [351]. **AIDS** [330]. **AIS** [58]. **AIS-based** [58]. **algebraic** [316, 237, 167, 143]. **algebras** [158, 135]. **algorithm** [233, 271, 314, 79, 369, 65, 371, 242, 411, 30, 301, 440, 317, 56, 11, 9, 14, 161, 383, 116, 202, 299, 149, 287, 54, 169, 192, 373, 188, 437, 430, 36, 138, 29, 10, 351, 270, 63, 124, 195]. **algorithmic** [39]. **algorithms** [199, 144, 134, 60, 184, 326, 190, 322]. **Allen** [391]. **allocation** [356, 347]. **alternate** [415]. **Alternating** [372, 126, 396]. **Analysis** [48, 184, 263, 79, 21, 6, 242, 330, 132, 390, 410, 22, 169, 300, 365, 333, 241, 351, 85, 191, 346]. **Analytical** [47]. **Analyzing** [98]. **Angola** [90]. **ant** [394]. **Anti** [276, 399]. **Anti-gene** [276]. **anti-predator** [399]. **AOR** [432, 103]. **Application** [317, 402, 137, 66, 213, 99, 261, 225, 94, 316]. **applications** [431, 135, 440, 142, 175, 428]. **applied** [291, 362, 171]. **Applying** [434]. **Approach** [339, 62, 338, 66, 110, 35, 148, 172, 409, 43, 381, 194, 224, 384, 302, 8]. **approaches** [154, 280, 49]. **approximant** [434]. **Approximate** [293, 404, 292, 175]. **approximating** [430]. **Approximation** [144, 88, 344, 4, 246, 406, 240, 190]. **approximations** [34]. **arbitrary** [54]. **arc** [287]. **arc-search** [287]. **architectured** [252]. **arcwise** [215]. **arising** [86]. **arm** [62, 160]. **ARMA** [329, 362]. **artificial** [65, 410, 413]. **aspects** [39, 440]. **assignment** [123]. **associated** [421]. **Asymptotic** [38, 285, 406, 258]. **asymptotically** [146]. **Asynchronous** [42]. **augmented** [35, 103, 216]. **automata** [206]. **automatic** [59]. **autonomous** [168, 404]. **Auxiliary** [167]. **average** [200, 419]. **averaging** [258]. **averse** [374]. **avoidance** [84]. **Axiomatic** [418].

back [126]. **backward** [130, 248]. **Balancing** [213]. **ball** [387, 350]. **Banach** [277, 39, 344, 174, 404, 18]. **bandwidth** [45]. **bang** [88, 87, 381]. **bang-bang** [88, 381]. **bang-singular** [87]. **barrier** [290, 412, 191]. **based** [434, 213, 58, 4, 318, 13, 353, 407, 9, 14, 218, 154, 249, 116, 145, 149, 410, 160, 226, 234, 43, 184, 373, 117, 194, 385, 306, 388, 347, 255, 324, 206, 163, 191, 322, 270, 360, 216, 339, 267, 186, 8, 201]. **batch** [207, 187, 210, 212]. **Baxter** [133]. **beamformer** [231]. **Bearing** [321]. **bee** [65]. **Behavior** [398, 418, 399]. **Benard** [332]. **benchmark** [395]. **Benson** [152]. **bent** [377]. **best** [165]. **between** [405, 258, 413]. **bi** [408]. **bi-criterion** [408]. **bicycle** [168]. **bidirectional** [45]. **Bifurcation** [365]. **bike** [420]. **bilateral** [357]. **Bilevel** [39, 62, 66, 134]. **binary** [332]. **biological** [163, 186]. **biometrics** [410]. **bipedal** [13]. **bisection** [195]. **bisimulation** [232]. **bit** [48]. **block** [103, 248]. **blocking** [54]. **blood** [266]. **bodies** [321]. **boundary** [283, 181, 349, 263, 57]. **bounds** [88, 74, 284, 219, 151, 308]. **box** [138, 368, 162]. **box-constrained** [368]. **Bramble** [105]. **bridge** [395]. **Bridging** [258]. **brief** [304]. **broadcasting** [42]. **Broyden** [37]. **Broyden-like** [37]. **BSDEs** [73]. **bullwhip** [153]. **bundles** [41]. **Buongiorno** [333].

Cahn [391]. **calculus** [119, 114]. **call** [46]. **captured** [319]. **Caputo** [438]. **CAR** [276]. **Carathéodory** [119]. **cardinality** [265]. **Carlo** [267]. **Cartesian** [159]. **case** [90, 302]. **cash** [431]. **Celis** [8]. **cell** [276]. **cells** [352]. **cellular** [206]. **censored** [249]. **center** [310]. **certain** [437]. **Chain** [73, 43, 281, 312, 389, 266]. **changing** [235]. **Characterization** [112, 345, 53, 50]. **Characterizations** [152]. **cheap** [285]. **Chebyshev** [294, 142, 438]. **Chimeric** [276]. **Cholesky** [286]. **circular** [199, 253]. **class** [61, 331, 338, 66, 294, 336, 407, 238, 188, 437,

364, 256, 433, 345, 150, 17, 64, 57]. **climbing** [30]. **Closed** [238, 389]. **Closed-form** [238]. **closed-loop** [389]. **clusters** [41]. **code** [138]. **coding** [42]. **coefficient** [214]. **coefficients** [80, 341]. **coincide** [357]. **collinear** [254]. **collision** [84]. **colony** [394, 65]. **colorings** [159]. **combination** [398, 322]. **common** [356, 146, 430]. **communication** [43, 360]. **Comparison** [405]. **comparisons** [340]. **complementarity** [396, 5, 166, 192, 300, 151, 367, 64]. **Complete** [128, 273, 267]. **completion** [6]. **Complex** [355, 261, 426, 325, 337, 106]. **Complexity** [191, 184, 231]. **component** [381]. **component-wise** [381]. **components** [98]. **composite** [156]. **computation** [279]. **Computational** [173, 252, 98, 342, 289, 235]. **computer** [351]. **Computing** [250, 107, 179, 371]. **concept** [232]. **concurrent** [232]. **condition** [77, 162, 310]. **conditional** [389]. **Conditions** [393, 61, 87, 118, 424, 26, 436, 256, 255, 24]. **conductivity** [185]. **cone** [199, 313, 166, 165, 37, 151, 421, 215, 55]. **cone-arcwise** [215]. **Conformal** [331]. **conic** [124, 131]. **conjugate** [315, 297]. **connected** [215]. **connection** [52]. **consensus** [327, 322, 264]. **consensus-based** [322]. **consideration** [164]. **considering** [312, 389]. **consistent** [384]. **Constrained** [327, 394, 265, 100, 25, 147, 94, 427, 409, 37, 412, 224, 256, 345, 139, 197, 368]. **constraint** [283]. **constraints** [298, 431, 56, 5, 313, 427, 292, 192, 240, 300, 89, 138, 350, 97, 415, 272, 55, 358, 8]. **Construction** [289, 308]. **consuming** [275]. **contact** [61]. **container** [154]. **Continuity** [198, 32, 175]. **continuous** [198, 15, 89, 436, 209, 194, 413, 419, 186]. **Control** [13, 89, 82, 414, 338, 352, 88, 283, 431, 79, 144, 19, 213, 342, 392, 239, 58, 397, 91, 207, 357, 395, 285, 181, 406, 427, 429, 69, 116, 202, 204, 311, 348, 245, 381, 361, 386, 168, 222, 438, 117, 259, 140, 385, 45, 119, 364, 92, 210, 90, 256, 111, 324, 137, 345, 272, 251, 354, 85, 86, 182, 235, 360, 153, 263, 17, 378]. **Controllability** [435, 261, 393, 409, 404]. **controllable** [187]. **controlled** [291, 10]. **controller** [433]. **Controlling** [47]. **controls** [357, 255]. **Convergence** [432, 6, 242, 370, 169, 107, 134, 108, 56, 5, 422, 245, 27, 146, 165, 174, 89, 183, 384, 216, 310]. **convex** [277, 199, 25, 242, 74, 20, 372, 126, 146, 188, 155, 322, 150, 376, 359, 63, 156]. **convexity** [228]. **coordination** [324]. **correcting** [196]. **correction** [340]. **corrector** [314]. **correlation** [102]. **cost** [62, 200, 244, 282, 190, 235]. **costs** [113]. **countably** [146]. **Cournot** [374]. **cover** [190]. **coverage** [111]. **credit** [282, 343]. **criterion** [408]. **cross** [266]. **cross-efficiency** [266]. **crowdsourced** [420]. **CTL** [352]. **cubic** [138, 379]. **culture** [207, 210, 186]. **cure** [330]. **curvature** [36]. **curved** [290]. **curvilinear** [226, 245]. **CVaR** [4]. **CVaR-based** [4]. **cyclic** [299]. **cytokine** [276].

D [14]. **D-structure** [14]. **DAE** [239]. **damped** [112]. **Dampening** [153]. **damping** [117]. **data** [423, 249, 424]. **DC** [66, 156]. **DEA** [267]. **decentralised** [232]. **Decentralized** [233]. **decomposition** [193, 216]. **Decoupling** [379]. **definite** [104, 6, 305, 154, 63]. **Deflating** [143]. **Deflation** [217]. **deformations** [331]. **Delay** [182, 91, 393, 41, 348, 363, 47, 438, 123, 51, 354]. **Delay-range** [182]. **delayed** [163, 182]. **delays** [392, 361, 365, 140]. **delivery** [41, 80]. **demand** [244, 343, 44]. **Dennis** [8]. **density** [384]. **dependent** [332, 277, 399, 244, 210, 182]. **depots** [268]. **derivative** [7, 438, 10, 375, 196]. **derivative-free** [7, 10, 375, 196]. **Derivatives** [221, 32]. **descent** [292, 293]. **descriptor** [213, 279, 218]. **Design** [394, 281, 231, 389, 82, 168, 222, 194, 167].

detection [15, 230, 167]. **deteriorating** [244, 343, 425]. **Determining** [181]. **Development** [232, 269]. **deviation** [278]. **diagonally** [284]. **difference** [177]. **differences** [69, 116, 202, 204]. **differentiable** [439, 313]. **Differential** [295, 434, 115, 400, 243, 225, 406, 316, 247, 252, 260, 59, 413, 334, 167, 349]. **differential-algebraic** [167]. **differential-algebraic-equations** [316]. **differentiation** [248, 47]. **diffusion** [336, 236, 226, 80, 177, 263]. **diffusion-advection-reaction** [226]. **diffusion-type** [336]. **diffusive** [332]. **digital** [325]. **dilution** [186]. **dimension** [264]. **dimensional** [31, 6, 223, 336, 226, 278, 80, 263]. **Direct** [414, 140, 86]. **direction** [372, 126, 396]. **directions** [315, 36]. **discontinuous** [391]. **Discrete** [433, 69, 116, 204, 234, 232, 436]. **Discrete-time** [433, 69, 116, 204, 234]. **Discriminant** [390]. **disordering** [362]. **Dissipative** [386]. **distinguishing** [159]. **Distributed** [326, 409, 324, 322]. **distribution** [94, 43]. **Distributionally** [428]. **disturbances** [285]. **disturbed** [363]. **dominance** [240, 203, 97]. **dominant** [284]. **double** [332, 128]. **double-well** [128]. **Douglas** [370]. **down** [290]. **down-and-out** [290]. **Drazin** [303]. **driven** [99, 53]. **drug** [80]. **DTNs** [41]. **dual** [199, 407, 184, 231, 36, 241, 191, 190]. **duality** [31, 38, 426, 424, 26, 170, 156]. **due** [113]. **Duration** [78]. **Dynamic** [206, 271, 418, 209, 45, 420, 193]. **dynamical** [327, 61, 431, 112, 163, 212]. **Dynamics** [399, 330].

echelon [281, 244]. **edge** [159]. **edge-colorings** [159]. **effect** [330, 333, 153]. **Effective** [246, 80]. **efficiency** [423, 266, 215, 152]. **efficient** [226, 345, 176, 267, 63]. **eigensolvers** [279]. **eigenvalue** [161, 37, 297, 123, 416, 367]. **eigenvalues** [371, 284, 148, 28, 221]. **electric** [172]. **elements** [29, 391]. **emissions** [194]. **energy** [172]. **entropy** [125, 266, 72]. **environment** [280, 211]. **epidemic** [206]. **equality** [292]. **equation** [434, 233, 283, 133, 405, 305, 382, 353, 406, 421, 404, 403, 349, 391]. **equations** [400, 432, 16, 246, 294, 336, 141, 132, 225, 316, 247, 250, 340, 145, 237, 7, 260, 413, 177, 334, 337, 167, 143, 106, 3]. **equilibrium** [39, 344, 134, 243, 422, 388, 55, 374]. **Error** [88, 151, 10, 85]. **Essential** [179]. **estimates** [94]. **estimating** [80]. **estimation** [369, 363]. **estimations** [303]. **estimator** [278]. **Euclidean** [158, 393, 162]. **Euler** [88, 16]. **evaluation** [52, 266, 12]. **even** [148]. **event** [232]. **evidential** [269]. **evolution** [295, 435, 59, 404]. **exact** [224]. **Examination** [392]. **example** [11]. **exchanges** [78]. **excitation** [13]. **excited** [395]. **Existence** [344, 147, 165, 39]. **exits** [119]. **expansion** [234]. **expansive** [146]. **experiment** [394]. **Experiments** [286]. **exploiting** [36]. **exponentially** [290, 309]. **expression** [238]. **extension** [287]. **extensions** [197]. **Extragradient** [25, 437]. **Extragradient-projection** [25]. **extremal** [255]. **extremals** [87]. **extreme** [371, 261]. **extremely** [226].

faces [230]. **factorization** [171]. **factorizations** [21]. **factors** [269]. **failure** [249, 167]. **failures** [378]. **fair** [48]. **fairness** [48]. **family** [71, 146, 174]. **Fan** [101]. **Fault** [363, 378, 15]. **Fault-tolerant** [378]. **faults** [15]. **feasibility** [242, 18]. **feature** [383]. **fed** [207, 210]. **fed-batch** [207, 210]. **Feedback** [256, 323, 16, 48, 222, 266, 92]. **feeds** [207]. **Fenchel** [156]. **fermentation** [209, 163, 211, 212]. **field** [384]. **filling** [11]. **Filter** [9, 192, 68]. **Filter-based** [9]. **Filtering** [69]. **filters** [325]. **finance** [99]. **financial** [312]. **Finding** [29, 148]. **finite** [174, 177, 29, 391]. **fir** [325]. **first** [405]. **fish**

[365]. **fitted** [309]. **fixed** [146, 430]. **fixing** [419]. **Fletcher** [7]. **flexible** [230]. **flow** [271, 213, 179, 286, 312, 333, 351]. **fluid** [332, 44]. **following** [440, 166, 117]. **force** [160]. **forcing** [231]. **form** [225, 238, 252]. **Formal** [351]. **formation** [321]. **forms** [49]. **formulas** [353, 248, 255]. **formulation** [4]. **forward** [130]. **forward-backward** [130]. **Forword** [227]. **four** [266]. **four-stage** [266]. **Fourier** [274, 377]. **Fourier-splitting** [274]. **fourth** [309]. **fraction** [234]. **fractional** [260, 26, 438, 408, 307, 177, 349, 433, 24, 358, 8, 378, 201]. **fractional-order** [433]. **frames** [221]. **framework** [265, 58]. **Fredholm** [246]. **free** [7, 192, 217, 112, 10, 208, 375, 196]. **Frequency** [325, 234]. **friction** [16]. **Frobenius** [125]. **frontal** [230]. **fuel** [319]. **fuel-minimal** [319]. **Fukushima** [5]. **Fukushima-Regularization** [5]. **full** [149, 253, 216]. **function** [158, 16, 313, 383, 149, 184, 192, 205, 191, 377]. **functional** [399, 255]. **functions** [62, 6, 125, 75, 74, 200, 407, 94, 340, 155, 401, 224, 34, 150, 156]. **Further** [303]. **Fused** [278]. **fusion** [330]. **Fuzzy** [280, 259, 395, 361, 418, 362]. **fuzzy-regression** [280].

Galerkin [306, 391]. **Galerkin-type** [306]. **game** [110, 243, 326]. **game-theoretic** [110]. **games** [115]. **gap** [258, 308]. **Gauss** [376]. **Gaussian** [126, 94, 188, 211]. **GE** [435]. **GE-evolution** [435]. **gene** [276]. **General** [24, 225, 351, 139, 334]. **generalization** [104]. **Generalized** [388, 344, 369, 101, 103, 108, 257, 250, 422, 373, 26, 335, 24, 150, 55, 18]. **generated** [71]. **generating** [72]. **generation** [52, 326]. **Genetic** [14, 9, 29, 212]. **geometric** [60, 92, 12]. **geometry** [196]. **given** [162]. **Global** [257, 56, 409, 424, 59, 215, 223, 275, 60, 183]. **Globalizer** [275]. **globally** [96, 176]. **glycerol** [212]. **goodness** [157]. **GPOPS** [392]. **GPOPS-II** [392]. **Gradient** [94, 233, 202, 231, 297, 296, 324, 415, 81, 367]. **gradient-based** [324]. **graphs** [159]. **Grasping** [160]. **greatest** [292, 293]. **green** [281]. **grey** [262]. **grid** [394, 326]. **grids** [261]. **group** [203]. **growing** [273]. **growth** [113]. **GSOR** [380]. **guess** [342].

H [251]. **H-Optimal** [251]. **Hadamard** [74, 155]. **Hahn** [114]. **Hamiltonian** [394]. **hand** [160]. **hand-arm** [160]. **hard** [318]. **Hardy** [71]. **hazardous** [328]. **Henig** [176]. **Hermite** [74, 311, 348, 155]. **Hermitian** [104, 305, 382]. **Hessian** [324]. **heuristic** [271]. **hidden** [228]. **high** [223, 278]. **higher** [239, 401]. **highway** [395]. **HIV** [291, 352, 330]. **HIV/AIDS** [330]. **HLCP** [407]. **Hölder** [175]. **holding** [244, 282]. **holonomy** [331]. **HOMO** [308]. **HOMO-LUMO** [308]. **Homogenization** [245, 226, 258, 252]. **Homotopy** [318, 294]. **horizon** [118, 243, 285, 137]. **housing** [302]. **HSS** [310]. **human** [62]. **hybrid** [338, 271, 411, 181, 422, 386, 209, 413]. **hyperbolic** [274, 289]. **hypersingular** [294]. **HZ** [398].

ice [185]. **idempotent** [133]. **Identification** [65, 324, 209, 163, 212]. **IER** [266]. **if** [76]. **II** [392]. **image** [380, 410, 86, 170, 339]. **immunology** [291]. **impact** [98]. **Imperfection** [343]. **implementation** [286]. **implicit** [435, 174, 309]. **important** [269]. **imprecise** [423]. **Improved** [5, 295, 369, 30, 362]. **improvement** [347, 346]. **Improving** [383]. **impulsive** [19, 386, 210, 256]. **incidence** [171]. **incipient** [15]. **inclusions** [335]. **increment** [255]. **Incremental** [120, 336]. **indefinite** [372, 228]. **Index** [220, 136, 213, 239, 316, 48]. **index-2** [213]. **Index-proper** [220, 136]. **Index-range** [136]. **indexes** [418]. **Indirect** [319].

Individual [410]. **industry** [402]. **inequalities** [158, 4, 147, 241, 216, 374]. **inequality** [101, 71, 75, 74, 89, 155, 437, 430, 224, 18]. **inertia** [205]. **inertial** [430]. **inertial-projection** [430]. **inertias** [382]. **inexact** [396, 416]. **infeasible** [340, 149, 253]. **infected** [352]. **infection** [397]. **inference** [249]. **infinite** [31, 118, 243, 285, 247, 146, 137]. **infinite-dimensional** [31]. **Information** [236, 440]. **Initial** [342]. **initially** [251]. **inner** [107]. **input** [393, 427, 361, 222, 140, 354]. **input/output** [140]. **inspection** [343]. **inspired** [256]. **instabilities** [332]. **Instability** [113]. **Integer** [97, 164, 262]. **integral** [283, 405, 246, 294, 433]. **Integrated** [312, 95, 282]. **integration** [260, 270]. **integrator** [364]. **integro** [334]. **integro-differential** [334]. **intelligent** [79]. **intensity** [50]. **interconnected** [222]. **interior** [314, 199, 407, 149, 253, 287, 184, 191]. **interior-point** [314, 199, 149, 287, 184, 191]. **intermediate** [431, 268]. **internal** [387]. **Internet** [52]. **interpretation** [92]. **interval** [432, 325, 249, 341, 339]. **Introduction** [142]. **invariant** [436]. **invasive** [317]. **inventory** [244, 282, 343, 153]. **inverse** [67, 238, 217, 171, 303]. **inverse-free** [217]. **inversion** [351]. **investigation** [269]. **invexity** [439, 24]. **involving** [207, 26]. **irreducible** [331, 143]. **isolated** [41]. **isothermal** [16]. **issues** [179]. **items** [244, 425]. **iteration** [107, 380, 104, 27, 174, 337, 384]. **iterations** [127]. **Iterative** [316, 279, 344, 108, 11, 116, 145, 373, 188, 349].

Jacobian [216, 106]. **Jamming** [110]. **Jensen** [75]. **jobs** [271, 187]. **Jordan** [158, 221]. **jump** [386]. **jumps** [47].

Kalman [436]. **Karp** [273]. **kernel** [407, 149, 184, 191]. **kind** [405, 396, 373]. **kinematics** [168]. **knapsack** [419]. **known** [285]. **Kronecker** [49]. **Krylov** [217]. **Kutta** [309]. **Ky** [101].

Lagrange [156]. **Lagrangian** [35, 77, 216]. **Lagrangian-based** [216]. **landing** [247]. **landmarks** [230]. **large** [279, 319, 316, 237, 226, 416, 296, 81, 360]. **large-scale** [279, 237, 81, 360]. **largest** [161]. **LASSO** [278]. **latently** [352]. **Laurent** [219]. **law** [251]. **layer** [332, 214]. **layout** [45]. **LCFS** [50]. **LCFS-PR** [50]. **leadership** [115]. **least** [369, 305, 382, 373, 278, 304, 368, 3]. **least-squares** [304]. **Legendre** [438, 270]. **levels** [282]. **Levenberg** [421, 183]. **Lévy** [99]. **libration** [254]. **lifetime** [53]. **like** [336, 37, 416, 105]. **Lin** [5]. **line** [381]. **Linear** [115, 348, 334, 414, 88, 233, 314, 19, 31, 432, 103, 108, 30, 246, 243, 285, 229, 406, 370, 409, 250, 145, 166, 184, 297, 278, 82, 436, 112, 140, 307, 337, 256, 354, 85, 190, 68, 64, 142]. **linear-quadratic** [414, 88, 243, 406, 85]. **linear/submodular** [190]. **Linearized** [126]. **Linearly** [273]. **Linearly-growing** [273]. **lines** [51]. **Lipschitz** [60, 174, 310]. **Littlewood** [71]. **Load** [43]. **Local** [307, 310]. **localization** [328, 154]. **localizing** [137]. **log** [328]. **Long** [440]. **Long-step** [440]. **longevity** [58]. **loop** [115, 389]. **Lorentzian** [331]. **low** [231]. **low-complexity** [231]. **lower** [308]. **LQ** [228]. **LQR** [274]. **LUMO** [308]. **Lyapunov** [16, 316, 413].

machine [271, 187]. **machines** [12]. **magnitudes** [219]. **makespan** [187]. **Malfatti** [223, 257, 388]. **management** [431, 172]. **manifolds** [331]. **manipulation** [160]. **MAPLE** [138]. **mappings** [130, 74, 422, 146, 174, 430, 178]. **maps**

[32, 215]. **Marangoni** [332]. **margins** [12]. **market** [302]. **markets** [302]. **Markov** [73, 43]. **Markovian** [73, 53, 386]. **Marquardt** [421, 183]. **masses** [387]. **material** [312]. **Mathematical** [135, 276, 5, 192, 300, 208]. **matrices** [76, 220, 238, 136, 171, 438, 106]. **Matrix** [203, 298, 133, 6, 135, 318, 305, 382, 49, 241, 324, 205, 351, 384, 143, 193, 379, 377]. **matrix-valued** [205]. **max** [195]. **max-bisection** [195]. **maximal** [71, 130, 102]. **maximization** [214]. **maximizing** [12]. **Maximum** [382, 72, 125, 119, 34]. **ME** [54]. **Mead** [412]. **mean** [41]. **means** [71]. **measures** [266]. **Measuring** [423]. **mechanical** [139]. **mechanism** [295]. **mechanisms** [54]. **medium** [336]. **Mehrotra** [314]. **memetic** [195]. **mesh** [142]. **meta** [271]. **meta-heuristic** [271]. **metaheuristic** [301]. **method** [394, 414, 107, 380, 400, 25, 344, 432, 158, 4, 103, 274, 130, 125, 405, 318, 246, 294, 395, 20, 372, 132, 225, 13, 407, 126, 396, 5, 370, 313, 250, 166, 253, 237, 292, 7, 37, 231, 297, 217, 102, 122, 416, 421, 385, 412, 413, 183, 337, 349, 415, 419, 81, 367, 272, 86, 208, 68, 153, 129, 216, 376, 55, 309, 57, 196, 131, 310, 201, 334]. **methodology** [408]. **methods** [319, 108, 398, 141, 14, 316, 145, 117, 304, 80, 72, 33, 403, 296, 2, 191, 170, 106, 3, 64]. **metric** [372, 27, 146, 165, 17]. **MHSS** [106]. **micro** [252]. **micro-architectured** [252]. **microbial** [207, 209, 163, 211, 186]. **microgrids** [172]. **microstructure** [226, 245]. **middleware** [79]. **MIMO** [231]. **minimal** [319, 29]. **Minimax** [178, 26, 262]. **minimization** [25, 318, 188]. **minimize** [271, 41, 187]. **Minimum** [229, 382, 250, 34]. **mining** [402]. **MIQCP** [98]. **Missed** [119]. **mitigation** [411]. **Mixed** [164, 115, 39, 344, 9, 54, 335, 18]. **mobile** [110]. **mode** [361]. **Model** [85, 291, 352, 356, 213, 164, 65, 397, 330, 218, 316, 325, 249, 69, 116, 202, 204, 234, 389, 365, 276, 333, 140, 399, 244, 282, 306, 343, 44, 206, 211, 302, 124, 201]. **model-reality** [69, 116, 202, 204]. **Modeling** [209, 212, 312, 171]. **models** [173, 99, 289, 267]. **modification** [130]. **modified** [313, 7, 437, 412, 296]. **molecular** [14]. **monotone** [130, 437, 34]. **monotonicity** [344, 136, 203]. **Monte** [267]. **most** [269]. **motion** [112, 254]. **movements** [62]. **MRI** [193]. **Multi** [296, 58, 426, 34, 324, 268, 264]. **multi-agent** [324, 264]. **multi-objective** [426, 34]. **multi-robot** [58]. **Multi-step** [296]. **multi-trip** [268]. **multiclass** [12]. **multidimensional** [390, 122]. **multifingered** [160]. **multigrid** [102]. **multimedia** [45]. **multiobjective** [439, 295, 138, 12]. **multiple** [321, 15, 207, 365, 42, 78, 24]. **Multiplicative** [21]. **multipliers** [372, 126, 396]. **Multiserver** [46]. **multisplitting** [108]. **multistage** [265]. **multiuser** [231]. **multivalued** [430].

nanofluid [333]. **Nash** [388, 55, 374]. **navigator** [45]. **NDEA** [266]. **Necessary** [118, 256]. **negative** [305, 36]. **neighborhood** [254]. **Nelder** [412]. **Nesterov** [149]. **network** [411, 53, 258, 281, 293, 312, 389, 171, 42, 194, 360]. **networked** [323]. **networks** [394, 327, 110, 261, 96, 229, 160, 226, 252, 245, 280, 43, 169, 45]. **neural** [160, 169, 293]. **Neuro** [395, 259]. **Neuro-Fuzzy** [259, 395]. **neutrosophic** [339]. **Newton** [6, 141, 353, 250, 416, 106, 55, 310, 201]. **Newton-HSS** [310]. **Newton-like** [416]. **Newton-MHSS** [106]. **next** [52]. **node** [53, 43]. **Noether** [91]. **noise** [211]. **non** [331, 145, 404, 359]. **non-autonomous** [404]. **non-convex** [359]. **non-irreducible** [331]. **non-linear** [145]. **non-smooth** [359]. **nonconvergent** [11]. **nonconvex**

[35, 128, 129]. **nonhomogeneous** [161]. **Nonlinear** [175, 364, 210, 338, 400, 35, 77, 20, 225, 56, 396, 69, 116, 204, 292, 7, 304, 36, 413, 335, 2, 349, 137, 139, 163, 346, 68, 106, 3, 57]. **Nonmonotone** [131, 81, 367]. **nonnegative** [220, 161]. **nonregular** [77]. **nonsmooth** [188, 26]. **nonstationary** [43]. **nonsymmetric** [416]. **norm** [279, 250]. **normal** [328]. **note** [101, 145, 177, 34]. **notion** [203]. **Novel** [393, 411, 301, 275]. **NP** [273]. **NP-complete** [273]. **NT** [253]. **NT-step** [253]. **number** [271, 219, 122]. **Numerical** [330, 357, 340, 80, 387, 334, 272, 341, 440, 429, 260, 270, 3, 57]. **Nutrient** [365]. **Nyström** [309].

objective [426, 313, 34, 24]. **observability** [435]. **observer** [360]. **observer-based** [360]. **obstacle** [357, 341]. **obstacles** [357]. **obtain** [62]. **ODEs** [248]. **on-demand** [44]. **one** [48, 260, 193]. **one-bit** [48]. **one-point** [260]. **Onset** [332]. **open** [115, 54]. **open-loop** [115]. **operation** [96]. **operational** [438]. **operator** [435]. **operators** [125, 252]. **Optimal** [352, 323, 431, 397, 207, 41, 90, 251, 186, 214, 425, 327, 62, 414, 338, 283, 144, 19, 342, 392, 239, 58, 179, 91, 357, 96, 406, 142, 427, 69, 116, 202, 204, 424, 340, 311, 348, 245, 89, 438, 385, 119, 210, 254, 137, 272, 85, 86, 235, 153, 263, 17]. **Optimality** [426, 26, 185, 118, 77, 424, 51, 256, 255, 24]. **Optimization** [298, 394, 434, 265, 62, 100, 199, 31, 35, 398, 301, 223, 257, 275, 395, 317, 20, 372, 148, 56, 13, 94, 313, 383, 424, 149, 253, 287, 95, 60, 292, 381, 184, 293, 312, 363, 389, 128, 326, 59, 138, 33, 412, 413, 224, 350, 355, 296, 2, 415, 10, 81, 205, 32, 191, 375, 197, 359, 215, 358, 63, 124, 178, 162, 196, 152, 131, 428]. **optimized** [395]. **optimizer** [301, 262]. **Optimum** [328]. **options** [290]. **Orbital** [33, 254]. **orbiters** [319]. **order** [87, 148, 406, 247, 248, 313, 41, 260, 240, 436, 421, 401, 306, 177, 433, 32, 153, 55, 309, 57, 378]. **order-up-to** [153]. **ordered** [335, 29]. **ordinary** [434, 406, 260]. **oriented** [52, 281, 51]. **orthogonal** [298]. **orthogonality** [415]. **oscillations** [411]. **oscillatory** [309]. **outer** [107]. **Output** [204, 222, 323, 140]. **overdetermined** [56]. **overlapping** [222].

packet [51]. **packet-oriented** [51]. **Padé** [434]. **PageRank** [107]. **parabolic** [283, 132, 409]. **paradigm** [351]. **parallel** [164, 108, 242, 376]. **Parameter** [373, 163, 413, 183]. **parameter-adjusting** [183]. **Parameter-related** [373]. **parameterization** [89]. **parameters** [394, 65]. **Parametric** [13, 323, 101, 407, 22, 307, 24, 191]. **parametrization** [338]. **Partial** [141, 157, 234, 123, 228, 285, 225]. **partially** [157, 29]. **particle** [434, 413]. **partitioning** [122]. **parts** [382]. **Pasciak** [105]. **Pasciak-like** [105]. **Passive** [364]. **Path** [84, 394, 440, 166]. **path-following** [440]. **pattern** [410]. **PDE** [97, 345]. **PDE-constrained** [345]. **peer** [43, 44]. **peer-to-peer** [43, 44]. **penalization** [134]. **penalized** [278]. **penalties** [190]. **penalty** [192, 224]. **Performance** [79, 52, 266, 12, 43]. **periodic** [226, 258, 252, 245]. **perishable** [268]. **Perron** [125]. **Perturbation** [92, 21, 261, 294, 303, 194, 32]. **perturbation-based** [194]. **perturbations** [277]. **perturbed** [405, 393, 406, 226, 363]. **phase** [431, 292, 122, 272]. **phenomenon** [17]. **photonic** [51]. **PID** [385]. **piecewise** [181, 185]. **pinning** [261]. **placement** [328]. **plankton** [365]. **planning** [84]. **plate** [259]. **players** [374]. **POD** [237]. **point** [314, 199, 243, 20, 407, 299, 149, 253, 287, 184, 260, 333, 430, 105, 387, 254, 191, 57]. **points** [146, 165]. **policy** [282, 343, 425].

polyhedral [37]. **polynomial** [49, 241, 270, 379, 162]. **polynomials** [294, 161, 219]. **population** [319]. **porous** [336]. **port** [154]. **Portfolio** [66, 265, 317]. **posedness** [147]. **Positive** [305, 104, 6, 373]. **positive-definite** [104]. **posteriori** [85]. **potential** [128]. **power** [179, 261, 411, 290, 326, 364]. **PR** [50]. **pre** [425]. **pre-sale** [425]. **Preconditioned** [416, 297, 217, 337]. **preconditioner** [105]. **predator** [399]. **predicting** [362]. **prediction** [14]. **predictor** [314, 354]. **predictor-corrector** [314]. **Preface** [189, 288, 366, 121, 417, 180, 109, 1, 93, 23, 83, 320, 70, 40]. **preinvex** [401]. **prescribed** [29]. **presence** [249, 276]. **preservation** [306]. **prey** [399]. **price** [95]. **Pricing** [290]. **Primal** [199, 190, 407, 184, 36, 191]. **Primal-dual** [199, 190, 184, 36, 191]. **principle** [119]. **priority** [164, 47]. **probabilistically** [100, 94]. **probabilities** [49]. **probability** [29]. **problem** [394, 173, 271, 283, 295, 344, 223, 257, 357, 285, 317, 406, 247, 69, 311, 95, 37, 297, 373, 102, 187, 122, 128, 194, 437, 78, 228, 388, 349, 419, 268, 86, 235, 341, 368, 358, 64, 195]. **problems** [61, 414, 338, 88, 66, 298, 67, 100, 342, 392, 239, 25, 39, 179, 134, 274, 242, 118, 77, 273, 91, 275, 396, 94, 313, 427, 429, 116, 202, 204, 424, 166, 422, 245, 188, 89, 151, 416, 304, 430, 105, 241, 307, 224, 256, 34, 2, 415, 137, 81, 262, 205, 367, 345, 272, 85, 190, 208, 346, 68, 376, 176, 55, 309, 8, 57, 178, 152]. **procedure** [267]. **process** [174, 211]. **processes** [277, 226, 418]. **processing** [187]. **processor** [164]. **product** [269, 103, 317, 49, 159]. **product-forms** [49]. **product-type** [103]. **production** [423]. **products** [268]. **profit** [347]. **programming** [439, 265, 66, 314, 164, 135, 126, 9, 172, 154, 426, 26, 408, 36, 307, 262, 24, 208, 68, 129, 8]. **programs** [198, 30, 5, 192, 240, 300, 97, 156]. **progress** [429]. **projected** [297, 81, 367]. **Projection** [218, 25, 242, 237, 373, 430, 306]. **Projection-based** [218, 373, 306]. **proof** [216]. **proper** [220, 136, 215, 152]. **Properties** [401, 135, 200, 285, 5, 150, 176, 377]. **proportional** [433]. **protected** [365]. **protocol** [264]. **prox** [134]. **prox-penalization** [134]. **Proximal** [20, 188, 372, 299, 403]. **proximity** [165]. **PRP** [398]. **pseudo** [437]. **pseudo-monotone** [437]. **pseudocontractive** [174]. **Pseudoconvexity** [200]. **pseudomonotonicity** [299]. **PSO** [411]. **public** [420]. **Pythagoras** [219].

q [277]. **q-uniformly** [277]. **QNMs** [54]. **QP** [192]. **QP-free** [192]. **QR** [21]. **Quadratic** [87, 350, 414, 88, 199, 115, 198, 120, 243, 406, 419, 85, 197, 358, 8, 63]. **quadrature** [145]. **quality** [65]. **Quantitative** [300]. **quantum** [440, 114]. **quasi** [6, 353, 146, 201]. **quasi-** [146]. **quasi-Newton** [6, 353, 201]. **quasiconvex** [75]. **quasiequilibrium** [346]. **Quasilinear** [349, 289]. **quaternionic** [355]. **queue** [50]. **queues** [46].

Rachford [370]. **radius** [28]. **rainfall** [72]. **randomized** [370]. **range** [136, 182]. **Rank** [249, 193, 318, 305, 382, 205]. **Rank-based** [249]. **Rank-one** [193]. **ranking** [267]. **ranks** [382]. **rate** [79, 397, 330]. **ratio** [399]. **ratio-dependent** [399]. **ratios** [312]. **reachable** [144]. **reaction** [226, 263]. **reaction-diffusion** [263]. **readers** [79]. **real** [148, 154]. **real-time** [154]. **reality** [69, 116, 202, 204]. **realization** [433]. **realizations** [229]. **reasoning** [269]. **Receptor** [276]. **recourse** [198]. **recovery** [157]. **recurrent** [169]. **recycling** [423]. **reduction** [213, 257, 218, 316, 325, 234, 306, 85]. **reductions** [273]. **Reeves** [7].

Reeves-Type [7]. **reference** [140]. **reflexive** [18]. **region** [371, 181, 10, 129, 124, 196, 131, 201]. **regional** [409]. **registration** [86]. **regression** [280, 278]. **regular** [135]. **Regularization** [5]. **regularized** [390]. **regulation** [204, 212]. **regulator** [19]. **reinsurance** [214]. **related** [67, 74, 373, 28]. **relating** [24]. **relation** [296]. **relations** [97]. **relaxation** [197]. **reliable** [111]. **rendezvous** [319]. **repair** [295]. **repositioning** [420]. **representation** [331, 135, 307]. **reprojection** [315]. **rescaling** [20]. **research** [289, 377]. **reservation** [45]. **resilient** [389, 322]. **resistor** [171]. **Resource** [356, 347]. **response** [297, 399]. **restoration** [380]. **restriction** [217]. **Results** [245, 218, 258, 165, 418, 28, 89, 303, 33]. **retrial** [46]. **retrospective** [131]. **revenue** [281]. **reversal** [295]. **review** [428]. **revisited** [127]. **RHUM** [409]. **Riccati** [400, 237, 143]. **rigid** [321]. **rigidity** [321]. **rings** [162]. **risk** [389, 374]. **risk-averse** [374]. **RLS** [270]. **road** [45, 119]. **robot** [58, 160, 387]. **robots** [84]. **Robust** [230, 428, 168, 317, 424, 389, 268]. **robustness** [123, 163, 186]. **rolling** [387]. **route** [295]. **routing** [295, 268]. **royal** [119]. **Runge** [309].

S [361]. **SAA** [64]. **Saddle** [243, 105]. **Saddle-point** [243]. **Safe** [111]. **sale** [425]. **saturated** [397]. **saturating** [82]. **saturation** [222]. **scalarization** [175, 346]. **scale** [279, 237, 258, 296, 81, 360]. **scales** [118]. **scaling** [390]. **scheduler** [48]. **scheduling** [164, 187, 51]. **scheme** [336, 260, 240, 177]. **Schilders** [171]. **Schulz** [351]. **search** [14, 287, 381, 169, 137]. **secant** [296]. **Second** [313, 436, 406, 247, 240, 421, 177, 32, 55]. **second-order** [406, 421, 32, 55]. **seepage** [208]. **segmentation** [339]. **Seidel** [376]. **SEIQR** [206]. **SEIQR-V** [206]. **seismically** [395]. **Selection** [66, 383]. **self** [252, 384, 196]. **self-adjoint** [252]. **self-consistent** [384]. **self-correcting** [196]. **Semi** [154, 310, 63]. **Semi-definite** [154, 63]. **Semi-local** [310]. **semicontinuity** [101]. **semidefinite** [108, 135, 287, 373, 2, 191, 197, 68]. **sensing** [236]. **Sensitivity** [117, 342, 229]. **sensor** [328, 53]. **separable** [126, 129, 376]. **sequence** [243]. **sequential** [286]. **series** [362]. **server** [50]. **service** [52]. **services** [44]. **set** [356, 147, 427, 29, 190, 176, 215, 339, 178]. **set-valued** [147, 176, 215, 178]. **sets** [144, 307, 346]. **setting** [347]. **setup** [187]. **shadowing** [328]. **shaped** [27]. **sharing** [420]. **sheet** [333]. **shop** [271]. **shortest** [394]. **shrinking** [333]. **signal** [157, 167]. **simplex** [262]. **simulated** [72]. **Simulation** [99, 206]. **simulations** [387]. **simultaneous** [15]. **Single** [187, 50]. **single-server** [50]. **Singular** [329, 243, 87, 67, 261, 294, 386, 143, 378, 365]. **Singularly** [226, 393, 406, 363]. **SISO** [251]. **sixth** [57]. **size** [95]. **skew** [104]. **skew-Hermitian** [104]. **Sliding** [361]. **slip** [333]. **small** [413]. **smart** [259, 326]. **smooth** [277, 283, 181, 192, 307, 359]. **smoothing** [340, 37, 188, 224, 359, 55, 64]. **snow** [185]. **snow-ice** [185]. **social** [236]. **soft** [179, 247]. **soft-computing** [179]. **software** [275]. **solution** [233, 115, 330, 357, 305, 382, 406, 69, 250, 226, 430, 307, 86, 341]. **Solutions** [133, 88, 147, 73, 429, 424, 175, 128, 334, 345, 176]. **Solvability** [61]. **solve** [434, 414]. **solver** [98, 427]. **solvers** [351]. **Solving** [400, 239, 223, 311, 413, 208, 392, 25, 344, 179, 274, 242, 246, 294, 275, 316, 408, 304, 337, 403, 2, 262, 272, 106, 309]. **Some** [158, 74, 440, 429, 28, 150, 67, 145]. **source** [328, 42]. **space** [400, 393, 169, 177]. **spaces** [277, 31, 39, 344, 27, 146, 165, 174, 404, 17, 18]. **Sparse** [171, 323, 6, 286, 316, 157, 360, 193].

specific [331, 149]. **specified** [251]. **spectral** [28, 308, 296, 81, 367]. **Speeding** [195]. **spline** [125]. **splines** [142]. **split** [437]. **splitting** [104, 134, 274, 130]. **splittings** [220, 136]. **SQP** [56]. **square** [219]. **squares** [369, 373, 304, 368, 3]. **SSOR** [337]. **Stability** [22, 333, 306, 17, 198, 120, 300, 177, 346]. **stabilizability** [228]. **Stabilization** [354, 321, 16, 254]. **stabilizer** [137]. **stage** [198, 266, 399, 97, 374]. **stagnation** [333]. **star** [27]. **star-shaped** [27]. **STATCOM** [411]. **state** [277, 406, 427, 169, 361, 49, 210, 256]. **state-dependent** [277, 210]. **state-linear** [256]. **stationary** [127, 50]. **statistical** [48]. **steady** [49]. **steady-state** [49]. **step** [440, 145, 149, 253, 27, 296, 170]. **stiff** [248]. **Stochastic** [172, 265, 4, 198, 435, 429, 69, 116, 204, 240, 300, 408, 50, 97, 44, 211, 302, 64, 374]. **stock** [244]. **stock-dependent** [244]. **strategies** [226, 90, 170, 153]. **strategy** [291, 381, 385, 235, 420, 186]. **streaming** [44]. **stretching** [333]. **stretching/shrinking** [333]. **Strict** [18, 16]. **strictly** [284]. **Strong** [27, 174, 38, 134]. **structural** [232]. **structure** [67, 329, 14, 399, 251, 129, 376]. **structured** [213, 279, 129, 216]. **structures** [258]. **study** [47, 90, 270]. **sub** [295]. **sub-route** [295]. **subdifferential** [61]. **submatrices** [305]. **submodular** [190]. **subset** [24]. **Subspace** [124, 217]. **substitution** [126]. **successive** [68]. **Sufficient** [255, 77, 24, 162]. **sum** [243, 219]. **super** [43]. **super-node** [43]. **supercomputer** [275]. **supply** [96, 281, 312, 389, 266]. **support** [12]. **surface** [208]. **Survey** [375, 100, 429, 82, 304, 205]. **survival** [402]. **sustainable** [269, 389]. **swarm** [434, 413]. **sweeping** [277]. **switched** [354]. **switches** [51]. **symmetric** [148, 149, 166, 422, 7, 151, 337, 106, 309, 114]. **symmetry** [91]. **symplectic** [309]. **synchronisation** [261]. **synthesis** [251]. **System** [335, 431, 164, 147, 275, 141, 370, 423, 247, 340, 232, 185, 209, 241, 337, 210, 433, 163, 263, 212]. **systems** [323, 79, 19, 213, 279, 58, 103, 108, 329, 15, 435, 285, 393, 181, 229, 218, 409, 250, 348, 252, 234, 22, 231, 361, 363, 386, 82, 222, 436, 80, 112, 140, 364, 289, 324, 139, 354, 182, 420, 360, 106, 379, 17, 264, 378]. **systems-homogenization** [252].

T [361, 276]. **T-S** [361]. **Tabu** [14]. **Tanh** [225]. **Tapia** [8]. **tardy** [271]. **target** [280, 347]. **target-environment** [280]. **targeted** [30]. **task** [58, 286]. **task-flow** [286]. **taxation** [365]. **Taylor** [405]. **technique** [364, 359]. **techniques** [410, 258, 85]. **temperature** [332]. **temperature-dependent** [332]. **temporarily** [319]. **tensor** [400, 28, 367]. **tensors** [371, 284, 148]. **term** [191]. **terminally** [256]. **terminals** [154]. **termination** [59]. **terms** [372]. **theorem** [91, 146]. **theorems** [424, 422, 27]. **theoretic** [110]. **theory** [261, 329, 440, 142, 226, 428, 128, 119, 402]. **therapy** [276]. **thermal** [61, 185]. **thermodynamic** [185]. **three** [145, 226, 281, 27, 80, 263]. **three-dimensional** [226, 80, 263]. **three-step** [145, 27]. **thresholding** [318]. **time** [400, 118, 15, 91, 53, 275, 218, 154, 48, 383, 249, 69, 116, 204, 348, 234, 363, 362, 436, 123, 433, 268, 354]. **time-access** [48]. **time-consuming** [275]. **time-delay** [363]. **time-driven** [53]. **time-invariant** [436]. **time-varying** [218, 383, 436, 354]. **times** [187]. **timetabling** [173]. **Todd** [149]. **Toeplitz** [67]. **Toeplitz-related** [67]. **Toland** [156]. **tolerant** [378]. **Topological** [176]. **topology** [81]. **total** [41, 159, 368]. **total-colorings** [159]. **trace** [158]. **tractor** [154]. **trade** [282, 343]. **trade-credit**

[282, 343]. **trains** [400]. **trajectories** [137]. **trajectory** [117]. **transfer** [383]. **transferable** [418]. **transferable-utility** [418]. **transfers** [33]. **transform** [76]. **transit** [295]. **transmission** [79]. **transportation** [79]. **treatment** [291, 90]. **triality** [128]. **tridiagonal** [238]. **trigonometric** [191]. **trip** [268]. **truncated** [354]. **trust** [371, 10, 129, 124, 196, 131, 201]. **trust-region** [10, 124]. **tuberculosis** [90]. **Tug** [395]. **tuning** [394]. **turnpike** [17]. **twice** [313]. **Two** [97, 170, 374, 271, 198, 6, 74, 336, 258, 292, 418, 155, 122, 244, 282, 350, 358, 8, 57, 264]. **two-dimension** [264]. **two-dimensional** [6]. **two-echelon** [244]. **two-machine** [271]. **two-phase** [292, 122]. **two-point** [57]. **two-scale** [258]. **Two-stage** [97, 374, 198]. **Two-step** [170]. **Type** [7, 314, 103, 336, 353, 362, 436, 306, 264].

Unbounded [277]. **uncertain** [361, 363, 386, 182, 378]. **uncertainties** [323]. **uncertainty** [424, 266, 374]. **unconstrained** [398, 148, 381, 296, 10, 124, 131]. **uncontrolled** [230]. **underestimators** [424]. **Unified** [346, 35, 125, 54]. **uniformly** [277, 174]. **units** [267]. **Univariate** [60]. **univexity** [26]. **unknowns** [336]. **unrelated** [164]. **unstable** [213]. **updates** [6]. **updating** [353]. **upper** [308]. **urban** [295]. **useful** [158]. **using** [269, 144, 279, 392, 400, 179, 65, 261, 286, 317, 424, 311, 160, 232, 203, 266, 333, 45, 413, 364, 334, 170]. **utility** [418].

V [206]. **value** [67, 340, 389, 421, 403, 349, 57]. **valued** [147, 205, 176, 215, 178]. **values** [261]. **Variable** [419, 372, 9, 406, 244, 282, 343]. **variables** [155, 266, 97]. **variational** [4, 147, 118, 91, 258, 252, 22, 437, 430, 335, 256, 216, 18, 374, 114]. **variations** [119]. **varying** [218, 383, 436, 354]. **vector** [31, 35, 313, 12, 345, 32, 346, 215, 152]. **vehicle** [268]. **verification** [351]. **vertex** [159]. **vertical** [300]. **vertices** [301]. **via** [158, 125, 77, 348, 381, 231, 386, 50, 59, 241, 346, 153]. **viability** [181]. **vibration** [259]. **viral** [397]. **virtual** [347]. **viscosity** [332]. **visiting** [41]. **Volterra** [405, 246, 334].

walking [13]. **war** [395]. **water** [65, 96, 11]. **water-filling** [11]. **wavelet** [336, 132, 311, 348]. **wavelet-like** [336]. **wavelets** [438]. **Weak** [134, 422, 296, 32]. **wedge** [196]. **weed** [317]. **Weighted** [301, 166, 234, 169, 418, 419]. **weighted-path-following** [166]. **weights** [356]. **well** [147, 128]. **whale** [383]. **where** [357]. **white** [211]. **wild** [230]. **windows** [268]. **wireless** [53, 42, 45]. **wise** [381]. **without** [192]. **wolf** [262]. **work** [46]. **WVO** [301].

Yang [133].

zero [243, 231]. **zero-forcing** [231]. **zero-sum** [243]. **zone** [365]. **zooming** [170].

References

Kanzow:2011:P

[1] Christian Kanzow, Dong-Hui Li, and Nobuo Yamashita. Preface. *Numerical Algebra, Control and Optimization*, 1(1):i–v, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.1i`.

Sun:2011:MSN

[2] Jie Sun. On methods for solving nonlinear semidefinite optimization problems. *Numerical Algebra, Control and Opti-*

mization, 1(1):1–14, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.1`.

Yuan:2011:RAN

[3] Ya-Xiang Yuan. Recent advances in numerical methods for nonlinear equations and nonlinear least squares. *Numerical Algebra, Control and Optimization*, 1(1):15–34, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.15`.

Chen:2011:CBF

[4] Xiaojun Chen and Guihua Lin. CVaR-based formulation and approximation method for stochastic variational inequalities. *Numerical Algebra, Control and Optimization*, 1(1):35–48, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.35`.

Hoheisel:2011:ICP

[5] Tim Hoheisel, Christian Kanzow, and Alexandra Schwartz. Improved convergence properties of the Lin–Fukushima-regularization method for mathematical programs with complementarity constraints. *Numerical Algebra, Control and Optimization*, 1(1):49–60, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.49`.

Dai:2011:CAS

[6] Yuhong Dai and Nobuo Yamashita. Convergence analysis of sparse quasi-Newton updates with positive definite matrix completion for two-dimensional functions. *Numerical Algebra, Control and Optimization*, 1(1):61–69, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.61`.

Li:2011:MFR

[7] Dong-Hui Li and Xiao-Lin Wang. A modified Fletcher–Reeves-type derivative-free method for symmetric nonlinear equations. *Numerical Algebra, Control and Optimization*, 1(1):71–82, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.71`.

Zhang:2011:CDT

[8] Ailing Zhang and Shunsuke Hayashi. Celis–Dennis–Tapia based approach to quadratic fractional programming problems with two quadratic constraints. *Numerical Algebra, Control and Optimization*, 1(1):83–98, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.83`.

Hedar:2011:FBG

[9] Abdel-Rahman Hedar and Alaa Fahim. Filter-based genetic algorithm for mixed variable programming. *Numerical Algebra, Control and Optimization*, 1(1):99–116, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.99`.

Takaki:2011:DFT

[10] Jun Takaki and Nobuo Yamashita. A derivative-free trust-region algorithm for unconstrained optimization with controlled error. *Numerical Algebra, Control and Optimization*, 1 (1):117–145, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.117`.

He:2011:NEI

[11] Simai He, Min Li, Shuzhong Zhang, and Zhi-Quan Luo. A nonconvergent example for the iterative water-filling algorithm. *Numerical Algebra, Control and Optimization*, 1(1):147–150, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.147`.

Tatsumi:2011:PEM

[12] Keiji Tatsumi, Masashi Akao, Ryo Kawachi, and Tetsuzo Tanino. Performance evaluation of multiobjective multiclass support vector machines maximizing geometric margins. *Numerical Algebra, Control and Optimization*, 1(1):151–169, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.151`.

Harata:2011:PEB

[13] Yuji Harata, Yoshihisa Banno, and Kouichi Taji. Parametric excitation based bipedal walking: Control method and optimization. *Numerical Algebra, Control and Optimization*, 1(1):171–190, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.171`.

Hedar:2011:GAT

[14] Abdel-Rahman Hedar, Ahmed Fouad Ali, and Taysir Hassan Abdel-Hamid. Genetic algorithm and tabu search based methods for molecular 3D-structure prediction. *Numerical Algebra, Control and Optimization*, 1(1):191–209, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.191`.

Fair:2011:AIF

[15] Martene L. Fair and Stephen L. Campbell. Active incipient fault detection in continuous time systems with multiple simultaneous faults. *Numerical Algebra, Control and Optimization*, 1(2):211–224, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.211`.

Dick:2011:SLF

[16] Markus Dick, Martin Gugat, and Günter Leugering. A strict H^1-lyapunov function and feedback stabilization for the isothermal Euler equations with friction. *Numerical Algebra, Control and Optimization*, 1(2):225–244, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.225`.

Zaslavski:2011:STP

[17] Alexander J. Zaslavski. Stability of a turnpike phenomenon for a class of op-

timal control systems in metric spaces. *Numerical Algebra, Control and Optimization*, 1(2):245–260, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.245`.

Zhong:2011:SFG

[18] Ren-You Zhong and Nan-Jing Huang. Strict feasibility for generalized mixed variational inequality in reflexive Banach spaces. *Numerical Algebra, Control and Optimization*, 1(2):261–274, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.261`.

Basin:2011:OIC

[19] Michael Basin and Pablo Rodriguez-Ramirez. An optimal impulsive control regulator for linear systems. *Numerical Algebra, Control and Optimization*, 1(2):275–282, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.275`.

Griva:2011:PPN

[20] Igor Griva and Roman A. Polyak. Proximal point nonlinear rescaling method for convex optimization. *Numerical Algebra, Control and Optimization*, 1(2):283–299, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.283`.

Chang:2011:MPA

[21] Xiao-Wen Chang and Ren-Cang Li. Multiplicative perturbation analysis for QR factorizations. *Numerical Algebra, Control and Optimization*, 1 (2):301–316, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.301`.

Li:2011:SAP

[22] Shengji Li, Chunmei Liao, and Minghua Li. Stability analysis of parametric variational systems. *Numerical Algebra, Control and Optimization*, 1(2):317–331, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.317`.

Li:2011:P

[23] Shengji Li, Nan-Jing Huang, and Xinmin Yang. Preface. *Numerical Algebra, Control and Optimization*, 1(3):i–ii, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.3i`.

Verma:2011:GPS

[24] Ram U. Verma. General parametric sufficient optimality conditions for multiple objective fractional subset programming relating to generalized (ρ, η, A)-invexity. *Numerical Algebra, Control and Optimization*, 1(3):333–339, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.333`.

Ceng:2011:EPM

[25] Luchuan Ceng, Qamrul Hasan Ansari, and Jen-Chih Yao. Extragradient-

projection method for solving constrained convex minimization problems. *Numerical Algebra, Control and Optimization*, 1(3):341–359, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.341`.

Long:2011:OCD

[26] Xian-Jun Long and Jing Quan. Optimality conditions and duality for minimax fractional programming involving nonsmooth generalized univexity. *Numerical Algebra, Control and Optimization*, 1(3):361–370, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.361`.

Lee:2011:SCT

[27] Byung-Soo Lee. Strong convergence theorems with three-step iteration in star-shaped metric spaces. *Numerical Algebra, Control and Optimization*, 1(3):371–379, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.371`.

Ling:2011:SRE

[28] Chen Ling and Liqun Qi. Some results on l^k-eigenvalues of tensor and related spectral radius. *Numerical Algebra, Control and Optimization*, 1(3):381–388, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.381`.

Studniarski:2011:FAM

[29] Marcin Studniarski. Finding all minimal elements of a finite partially ordered set by genetic algorithm with a prescribed probability. *Numerical Algebra, Control and Optimization*, 1(3):389–398, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.389`.

Ding:2011:ITC

[30] Mingfang Ding, Yanqun Liu, and John Anthony Gear. An improved targeted climbing algorithm for linear programs. *Numerical Algebra, Control and Optimization*, 1(3):399–405, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.399`.

Bot:2011:LVO

[31] Radu Ioan Boţ and Sorin-Mihai Grad. On linear vector optimization duality in infinite-dimensional spaces. *Numerical Algebra, Control and Optimization*, 1(3):407–415, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.407`.

Wang:2011:CSO

[32] Qilin Wang, Shengji Li, and Kok Lay Teo. Continuity of second-order adjacent derivatives for weak perturbation maps in vector optimization. *Numerical Algebra, Control and Optimization*, 1(3):417–433, ???? 2011. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.417`.

Pontani:2011:OTO

[33] Mauro Pontani. Orbital transfers: optimization methods and recent results. *Numerical Algebra, Control and Optimization*, 1(3):435–485, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.435`.

Stipanovic:2011:NMA

[34] Dušan M. Stipanović, Claire J. Tomlin, and George Leitmann. A note on monotone approximations of minimum and maximum functions and multi-objective problems. *Numerical Algebra, Control and Optimization*, 1(3):487–493, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.487`.

Chen:2011:UNA

[35] Chunrong Chen. A unified nonlinear augmented Lagrangian approach for nonconvex vector optimization. *Numerical Algebra, Control and Optimization*, 1(3):495–508, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.495`.

Pillo:2011:PDA

[36] Gianni Di Pillo, Giampaolo Liuzzi, and Stefano Lucidi. A primal-dual algorithm for nonlinear programming exploiting negative curvature directions. *Numerical Algebra, Control and Optimization*, 1(3):509–528, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.509`.

Li:2011:SBL

[37] Yafeng Li, Guo Sun, and Yiju Wang. A smoothing Broyden-like method for polyhedral cone constrained eigenvalue problem. *Numerical Algebra, Control and Optimization*, 1(3):529–537, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.529`.

Burachik:2011:ASD

[38] Regina S. Burachik and Xiaoqi Yang. Asymptotic strong duality. *Numerical Algebra, Control and Optimization*, 1(3):539–548, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.539`.

Chadli:2011:BME

[39] Ouayl Chadli, Hicham Mahdioui, and Jen-Chih Yao. Bilevel mixed equilibrium problems in Banach spaces: existence and algorithmic aspects. *Numerical Algebra, Control and Optimization*, 1(3):549–561, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.549`.

Yue:2011:P

[40] Wuyi Yue, Herwig Bruneel, Bong Dae Choi, and Shoji Kasahara. Preface.

Numerical Algebra, Control and Optimization, 1(4):i–ii, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.4i`.

Kabir:2011:OVO

[41] K. Habibul Kabir, Masahiro Sasabe, and Tetsuya Takine. Optimal visiting order of isolated clusters in DTNs to minimize the total mean delivery delay of bundles. *Numerical Algebra, Control and Optimization*, 1(4):563–576, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.563`.

Minami:2011:AMS

[42] Keisuke Minami, Takahiro Matsuda, Tetsuya Takine, and Taku Noguchi. Asynchronous multiple source network coding for wireless broadcasting. *Numerical Algebra, Control and Optimization*, 1(4):577–592, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.577`.

Kuraya:2011:LDP

[43] Kazuhiko Kuraya, Hiroyuki Masuyama, and Shoji Kasahara. Load distribution performance of super-node based peer-to-peer communication networks: A nonstationary Markov chain approach. *Numerical Algebra, Control and Optimization*, 1(4):593–610, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.593`.

Senda:2011:SFM

[44] Shuichiro Senda, Hiroyuki Masuyama, and Shoji Kasahara. A stochastic fluid model for on-demand peer-to-peer streaming services. *Numerical Algebra, Control and Optimization*, 1(4):611–626, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.611`.

Park:2011:ACD

[45] Jin Soo Park, Kyung Jae Kim, Yun Han Bae, and Bong Dae Choi. Admission control by dynamic bandwidth reservation using road layout and bidirectional navigator in wireless multimedia networks. *Numerical Algebra, Control and Optimization*, 1(4):627–638, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.627`.

Phung-Duc:2011:MRQ

[46] Tuan Phung-Duc and Ken'ichi Kawanishi. Multiserver retrial queues with after-call work. *Numerical Algebra, Control and Optimization*, 1(4):639–656, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.639`.

Maertens:2011:CDD

[47] Tom Maertens, Joris Walraevens, and Herwig Bruneel. Controlling delay differentiation with priority jumps: Analytical study. *Numerical Algebra, Control and Optimization*, 1(4):657–673, ???? 2011. CODEN

???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.657`.

Ishizaki:2011:AST

[48] Fumio Ishizaki. Analysis of the statistical time-access fairness index of one-bit feedback fair scheduler. *Numerical Algebra, Control and Optimization*, 1(4):675–689, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.675`.

Liu:2011:KPF

[49] Hsin-Yi Liu and Hsing Paul Luh. Kronecker product-forms of steady-state probabilities with $C_k/C_m/1$ by matrix polynomial approaches. *Numerical Algebra, Control and Optimization*, 1(4):691–711, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.691`.

Miyoshi:2011:SLP

[50] Naoto Miyoshi. On the stationary LCFS-PR single-server queue: A characterization via stochastic intensity. *Numerical Algebra, Control and Optimization*, 1(4):713–725, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.713`.

Rogiest:2011:OPO

[51] Wouter Rogiest, Koen De Turck, Koenraad Laevens, Dieter Fiems, Sabine Wittevrongel, and Herwig Bruneel. On the optimality of packet-oriented scheduling in photonic switches with delay lines. *Numerical Algebra, Control and Optimization*, 1(4):727–747, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.727`.

Jin:2011:PEC

[52] Shunfu Jin, Wuyi Yue, and Zhanqiang Huo. Performance evaluation for connection oriented service in the next generation Internet. *Numerical Algebra, Control and Optimization*, 1(4):749–761, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.749`.

Galmes:2011:MCN

[53] Sebastià Galmés. Markovian characterization of node lifetime in a time-driven wireless sensor network. *Numerical Algebra, Control and Optimization*, 1(4):763–780, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.763`.

Kouvatsos:2011:UMA

[54] Demetres D. Kouvatsos, Jumma S. Alanazi, and Kevin Smith. A unified ME algorithm for arbitrary open QNMs with mixed blocking mechanisms. *Numerical Algebra, Control and Optimization*, 1(4):781–816, ???? 2011. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2011.1.781`.

Yuan:2012:SNM

[55] Yanhong Yuan, Hongwei Zhang, and Liwei Zhang. A smoothing Newton method for generalized Nash equilibrium problems with second-order cone constraints. *Numerical Algebra, Control and Optimization*, 2(1):1–18, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.1`.

Hao:2012:GCS

[56] Chunlin Hao and Xinwei Liu. Global convergence of an SQP algorithm for nonlinear optimization with overdetermined constraints. *Numerical Algebra, Control and Optimization*, 2(1):19–29, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.19`.

Zhang:2012:SON

[57] Xiao-Yu Zhang and Qing Fang. A sixth order numerical method for a class of nonlinear two-point boundary value problems. *Numerical Algebra, Control and Optimization*, 2(1):31–43, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.31`.

Chan:2012:ABO

[58] Raymond Ching Man Chan and Henry Ying Kei Lau. An AIS-based optimal control framework for longevity and task achievement of multi-robot systems. *Numerical Algebra, Control and Optimization*, 2(1):45–56, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.45`.

Ong:2012:GOD

[59] Bun Theang Ong and Masao Fukushima. Global optimization via differential evolution with automatic termination. *Numerical Algebra, Control and Optimization*, 2(1):57–67, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.57`.

Kvasov:2012:UGL

[60] Dmitri E. Kvasov and Yaroslav D. Sergeyev. Univariate geometric Lipschitz global optimization algorithms. *Numerical Algebra, Control and Optimization*, 2(1):69–90, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.69`.

Adly:2012:SCT

[61] Samir Adly, Oanh Chau, and Mohamed Rochdi. Solvability of a class of thermal dynamical contact problems with subdifferential conditions. *Numerical Algebra, Control and Optimization*, 2(1):91–104, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.91`.

Albrecht:2012:BOA

[62] Sebastian Albrecht, Marion Leibold, and Michael Ulbrich. A bilevel optimization approach to obtain optimal cost func-

tions for human arm movements. *Numerical Algebra, Control and Optimization*, 2(1):105–127, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.105`.

Zhang:2012:EAC

[63] Lipu Zhang, Yinghong Xu, and Zhengjing Jin. An efficient algorithm for convex quadratic semi-definite optimization. *Numerical Algebra, Control and Optimization*, 2(1):129–144, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.129`.

Zhang:2012:CSS

[64] Jie Zhang, Yue Wu, and Liwei Zhang. A class of smoothing SAA methods for a stochastic linear complementarity problem. *Numerical Algebra, Control and Optimization*, 2(1):145–156, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.145`.

Chen:2012:IWQ

[65] Guangzhou Chen, Guijian Liu, Jiaquan Wang, and Ruzhong Li. Identification of water quality model parameters using artificial bee colony algorithm. *Numerical Algebra, Control and Optimization*, 2(1):157–165, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.157`.

An:2012:DPA

[66] Le Thi Hoai An, Tran Duc Quynh, and Pham Dinh Tao. A DC programming approach for a class of bilevel programming problems and its application in portfolio selection. *Numerical Algebra, Control and Optimization*, 2(1):167–185, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.167`.

Bai:2012:SIS

[67] Zheng-Jian Bai, Xiao-Qing Jin, and Seak-Weng Vong. On some inverse singular value problems with Toeplitz-related structure. *Numerical Algebra, Control and Optimization*, 2(1):187–192, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.187`.

Xu:2012:FSL

[68] Yi Xu and Wenyu Sun. A filter successive linear programming method for nonlinear semidefinite programming problems. *Numerical Algebra, Control and Optimization*, 2(1):193–206, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.193`.

Kek:2012:FSN

[69] Sie Long Kek, Kok Lay Teo, and Mohd Ismail Abd Aziz. Filtering solution of nonlinear stochastic optimal control problem in discrete-time

with model-reality differences. *Numerical Algebra, Control and Optimization*, 2(1):207–222, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.207`.

Wang:2012:P

[70] Song Wang and Yong Hong Wu. Preface. *Numerical Algebra, Control and Optimization*, 2(2):i–ii, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.2i`.

Cizmesija:2012:FMG

[71] Aleksandra Čižmešija, Iva Franjić, Josip Pečarić, and Dora Pokaz. On a family of means generated by the Hardy–Littlewood maximal inequality. *Numerical Algebra, Control and Optimization*, 2(2):223–231, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.223`.

Piantadosi:2012:MEM

[72] Julia Piantadosi, Phil Howlett, Jonathan Borwein, and John Henstridge. Maximum entropy methods for generating simulated rainfall. *Numerical Algebra, Control and Optimization*, 2(2):233–256, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.233`.

Cohen:2012:MSM

[73] Samuel N. Cohen and Lukasz Szpruch. On Markovian solutions to Markov Chain BSDEs. *Numerical Algebra, Control and Optimization*, 2(2):257–269, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.257`.

Dragomir:2012:SNB

[74] S. S. Dragomir and I. Gomm. Some new bounds for two mappings related to the Hermite–Hadamard inequality for convex functions. *Numerical Algebra, Control and Optimization*, 2(2):271–278, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.271`.

Dragomir:2012:JIQ

[75] S. S. Dragomir and C. E. M. Pearce. Jensen's inequality for quasiconvex functions. *Numerical Algebra, Control and Optimization*, 2(2):279–291, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.279`.

Ejov:2012:HTM

[76] Vladimir Ejov and Anatoli Torokhti. How to transform matrices $U_1, \ldots, U_p$ to matrices $V_1, \ldots, V_p$ so that $V_i V_j^T = \mathbf{O}$ if $i \neq j$? *Numerical Algebra, Control and Optimization*, 2(2):293–299, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.293`.

Eberhard:2012:SOC

[77] A. C. Eberhard and C. E. M. Pearce. A sufficient optimality con-

dition for nonregular problems via a nonlinear Lagrangian. *Numerical Algebra, Control and Optimization*, 2(2):301–331, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.301`.

Pearce:2012:DPM

[78] Charles E. M. Pearce, Krzysztof Szajowski, and Mitsushi Tamaki. Duration problem with multiple exchanges. *Numerical Algebra, Control and Optimization*, 2(2):333–355, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.333`.

Baek:2012:PAT

[79] Sangkyu Baek, Jinsoo Park, and Bong Dae Choi. Performance analysis of transmission rate control algorithm from readers to a middleware in intelligent transportation systems. *Numerical Algebra, Control and Optimization*, 2(2):357–375, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.357`.

Mohd–Mahali:2012:NME

[80] Shalela Mohd-Mahali, Song Wang, Xia Lou, and Sungging Pintowantoro. Numerical methods for estimating effective diffusion coefficients of three-dimensional drug delivery systems. *Numerical Algebra, Control and Optimization*, 2(2):377–393, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.377`.

Tavakoli:2012:NSP

[81] Rouhollah Tavakoli and Hongchao Zhang. A nonmonotone spectral projected gradient method for large-scale topology optimization problems. *Numerical Algebra, Control and Optimization*, 2(2):395–412, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.395`.

Mahmoud:2012:CDL

[82] Magdi S. Mahmoud and Mohammed M. Hussain. Control design of linear systems with saturating actuators: A survey. *Numerical Algebra, Control and Optimization*, 2(2):413–435, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.413`.

Rehbock:2012:P

[83] Volker Rehbock and Ryan Loxton. Preface. *Numerical Algebra, Control and Optimization*, 2(3):i, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.3i`.

Gerdts:2012:PPC

[84] Matthias Gerdts, René Henrion, Dietmar Hömberg, and Chantal Landry. Path planning and collision avoidance for robots. *Numerical Algebra, Control and Optimization*, 2(3):437–463, ???? 2012. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.437`.

Vossen:2012:MRT

[85] Georg Vossen and Stefan Volkwein. Model reduction techniques with a-posteriori error analysis for linear-quadratic optimal control problems. *Numerical Algebra, Control and Optimization*, 2(3):465–485, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.465`.

Wagner:2012:DMS

[86] Marcus Wagner. A direct method for the solution of an optimal control problem arising from image registration. *Numerical Algebra, Control and Optimization*, 2(3):487–510, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.487`.

Aronna:2012:QOC

[87] M. Soledad Aronna, J. Frédréic Bonnans, Andrei V. Dmitruk, and Pablo A. Lotito. Quadratic order conditions for bang-singular extremals. *Numerical Algebra, Control and Optimization*, 2(3):511–546, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.511`.

Alt:2012:EBE

[88] Walter Alt, Robert Baier, Matthias Gerdts, and Frank Lempio. Error bounds for Euler approximation of linear-quadratic control problems with bang-bang solutions. *Numerical Algebra, Control and Optimization*, 2(3):547–570, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.547`.

Loxton:2012:CPO

[89] Ryan Loxton, Qun Lin, Volker Rehbock, and Kok Lay Teo. Control parameterization for optimal control problems with continuous inequality constraints: New convergence results. *Numerical Algebra, Control and Optimization*, 2(3):571–599, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.571`.

Silva:2012:OCS

[90] Cristiana J. Silva and Delfim F. M. Torres. Optimal control strategies for tuberculosis treatment: A case study in Angola. *Numerical Algebra, Control and Optimization*, 2(3):601–617, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.601`.

Frederico:2012:NST

[91] Gastão S. F. Frederico and Delfim F. M. Torres. Noether's symmetry theorem for variational and optimal control problems with time delay. *Numerical Algebra, Control and Optimization*, 2(3):619–630, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.619`.

Schattler:2012:PFC

[92] Heinz Schättler and Urszula Ledzewicz. Perturbation feedback control: A geometric interpretation. *Numerical Algebra, Control and Optimization*, 2 (3):631–654, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.631`.

Koch:2012:P

[93] Thorsten Koch and Xiaoling Sun. Preface. *Numerical Algebra, Control and Optimization*, 2(4):i–ii, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.4i`.

Henrion:2012:GEG

[94] René Henrion. Gradient estimates for Gaussian distribution functions: application to probabilistically constrained optimization problems. *Numerical Algebra, Control and Optimization*, 2(4):655–668, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.655`.

Kiessling:2012:ISP

[95] Miriam Kiessling, Sascha Kurz, and Jörg Rambau. The integrated size and price optimization problem. *Numerical Algebra, Control and Optimization*, 2(4):669–693, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.669`.

Gleixner:2012:TGO

[96] Ambros M. Gleixner, Harald Held, Wei Huang, and Stefan Vigerske. Towards globally optimal operation of water supply networks. *Numerical Algebra, Control and Optimization*, 2(4):695–711, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.695`.

Schultz:2012:TSS

[97] Rüdiger Schultz. Two-stage stochastic programs: Integer variables, dominance relations and PDE constraints. *Numerical Algebra, Control and Optimization*, 2(4):713–738, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.713`.

Berthold:2012:ACI

[98] Timo Berthold, Ambros M. Gleixner, Stefan Heinz, and Stefan Vigerske. Analyzing the computational impact of MIQCP solver components. *Numerical Algebra, Control and Optimization*, 2(4):739–748, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.739`.

Chen:2012:SLD

[99] Rachel Chen, Jianqiang Hu, and Yijie Peng. Simulation of Lévy–driven models and its application in finance. *Numerical Algebra, Control and Optimization*, 2(4):749–765, ???? 2012. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.749.

Bai:2012:SPC

[100] Xiaodi Bai, Xiaojin Zheng, and Xiaoling Sun. A survey on probabilistically constrained optimization problems. *Numerical Algebra, Control and Optimization*, 2(4):767–778, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.767.

Chen:2012:NSP

[101] Chunrong Chen and Zhimiao Fang. A note on semicontinuity to a parametric generalized Ky Fan inequality. *Numerical Algebra, Control and Optimization*, 2(4):779–784, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.779.

Liu:2012:MMM

[102] Xin-Guo Liu and Kun Wang. A multigrid method for the maximal correlation problem. *Numerical Algebra, Control and Optimization*, 2 (4):785–796, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.785.

Chen:2012:PTG

[103] Fang Chen, Ning Gao, and Yao-Lin Jiang. On product-type generalized block AOR method for augmented linear systems. *Numerical Algebra, Control and Optimization*, 2(4):797–809, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.797.

Cao:2012:GPD

[104] Yang Cao, Wei-Wei Tan, and Mei-Qun Jiang. A generalization of the positive-definite and skew-Hermitian splitting iteration. *Numerical Algebra, Control and Optimization*, 2(4):811–821, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.811.

Peng:2012:NBP

[105] Xiao-Fei Peng and Wen Li. A new Bramble–Pasciak-like preconditioner for saddle point problems. *Numerical Algebra, Control and Optimization*, 2(4):823–838, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.823.

Yang:2012:NMM

[106] Ai-Li Yang and Yu-Jiang Wu. Newton-MHSS methods for solving systems of nonlinear equations with complex symmetric Jacobian matrices. *Numerical Algebra, Control and Optimization*, 2(4):839–853, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2012.2.839.

Bai:2012:CIO

[107] Zhong-Zhi Bai. On convergence of the inner–outer iteration method for

computing PageRank. *Numerical Algebra, Control and Optimization*, 2 (4):855–862, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.855`.

Cui:2012:CGP

[108] Yanxing Cui, Chuanlong Wang, and Ruiping Wen. On the convergence of generalized parallel multisplitting iterative methods for semidefinite linear systems. *Numerical Algebra, Control and Optimization*, 2(4):863–873, ???? 2012. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2012.2.863`.

Goh:2013:P

[109] B. S. Goh. Preface. *Numerical Algebra, Control and Optimization*, 3(1):i–iii, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.1i`.

Bhattacharya:2013:JMN

[110] Sourabh Bhattacharya, Abhishek Gupta, and Tamer Başar. Jamming in mobile networks: A game-theoretic approach. *Numerical Algebra, Control and Optimization*, 3(1):1–30, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.1`.

Stipanovic:2013:SRC

[111] Dušan M. Stipanović, Christopher Valicka, Claire J. Tomlin, and Thomas R. Bewley. Safe and reliable coverage control. *Numerical Algebra, Control and Optimization*, 3(1):31–48, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.31`.

Morzfeld:2013:CDL

[112] Matthias Morzfeld, Daniel T. Kawano, and Fai Ma. Characterization of damped linear dynamical systems in free motion. *Numerical Algebra, Control and Optimization*, 3(1):49–62, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.49`.

Wirl:2013:IGD

[113] Franz Wirl and Andreas J. Novak. Instability and growth due to adjustment costs. *Numerical Algebra, Control and Optimization*, 3(1):63–76, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.63`.

daCruz:2013:HSQ

[114] Artur M. C. Brito da Cruz, Natália Martins, and Delfim F. M. Torres. Hahn's symmetric quantum variational calculus. *Numerical Algebra, Control and Optimization*, 3(1):77–94, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.77`.

Bensoussan:2013:LQD

[115] Alain Bensoussan, Shaokuan Chen, and Suresh P. Sethi. Linear quadratic

differential games with mixed leadership: The open-loop solution. *Numerical Algebra, Control and Optimization*, 3(1):95–108, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.95`.

Kek:2013:IAB

[116] Sie Long Kek, Mohd Ismail Abd Aziz, Kok Lay Teo, and Rohanin Ahmad. An iterative algorithm based on model-reality differences for discrete-time nonlinear stochastic optimal control problems. *Numerical Algebra, Control and Optimization*, 3(1):109–125, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.109`.

McDonald:2013:SBT

[117] Dale McDonald. Sensitivity based trajectory following control damping methods. *Numerical Algebra, Control and Optimization*, 3(1):127–143, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.127`.

Dryl:2013:NOC

[118] Monika Dryl and Delfim F. M. Torres. Necessary optimality conditions for infinite horizon variational problems on time scales. *Numerical Algebra, Control and Optimization*, 3(1):145–160, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.145`.

Pesch:2013:CRR

[119] Hans Josef Pesch. Carathéodory's royal road of the calculus of variations: Missed exits to the maximum principle of optimal control theory. *Numerical Algebra, Control and Optimization*, 3(1):161–173, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.161`.

DAlto:2013:IQS

[120] Luis D'Alto and Martin Corless. Incremental quadratic stability. *Numerical Algebra, Control and Optimization*, 3(1):175–201, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.175`.

Ding:2013:P

[121] Jiu Ding, Bingsheng He, Qin Ni, and Wenyu Sun. Preface. *Numerical Algebra, Control and Optimization*, 3(2):i–ii, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.2i`.

Ma:2013:TPM

[122] Feng Ma and Mingfang Ni. A two-phase method for multidimensional number partitioning problem. *Numerical Algebra, Control and Optimization*, 3(2):203–206, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.203`.

Mao:2013:PEA

[123] Xiaobin Mao and Hua Dai. Partial eigenvalue assignment with time delay robustness. *Numerical Algebra, Control and Optimization*, 3(2): 207–221, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.207`.

Zhang:2013:STR

[124] Xin Zhang, Jie Wen, and Qin Ni. Subspace trust-region algorithm with conic model for unconstrained optimization. *Numerical Algebra, Control and Optimization*, 3(2):223–234, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.223`.

Ding:2013:UME

[125] Jiu Ding and Noah H. Rhee. A unified maximum entropy method via spline functions for Frobenius–Perron operators. *Numerical Algebra, Control and Optimization*, 3(2):235–245, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.235`.

He:2013:LAD

[126] Bingsheng He and Xiaoming Yuan. Linearized alternating direction method of multipliers with Gaussian back substitution for separable convex programming. *Numerical Algebra, Control and Optimization*, 3(2):247–260, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.247`.

Chen:2013:SIR

[127] Xuzhou Chen, Xinghua Shi, and Yimin Wei. The stationary iterations revisited. *Numerical Algebra, Control and Optimization*, 3(2):261–270, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.261`.

Morales-Silva:2013:CST

[128] Daniel Morales-Silva and David Yang Gao. Complete solutions and triality theory to a nonconvex optimization problem with double-well potential in $\mathbf{R}^n$. *Numerical Algebra, Control and Optimization*, 3(2):271–282, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.271`.

Xue:2013:STR

[129] Dan Xue, Wenyu Sun, and Hongjin He. A structured trust region method for nonconvex programming with separable structure. *Numerical Algebra, Control and Optimization*, 3(2): 283–293, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.283`.

Ding:2013:MFB

[130] Xiao Ding and Deren Han. A modification of the forward-backward splitting method for maximal monotone mappings. *Numerical Algebra, Control and Optimization*, 3(2):295–307, ???? 2013.

CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.295.

Zhao:2013:NRC

[131] Lijuan Zhao and Wenyu Sun. Nonmonotone retrospective conic trust region method for unconstrained optimization. *Numerical Algebra, Control and Optimization*, 3(2):309–325, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.309.

Guo:2013:AWM

[132] Qiang Guo and Dong Liang. An adaptive wavelet method and its analysis for parabolic equations. *Numerical Algebra, Control and Optimization*, 3(2):327–345, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.327.

Cibotarica:2013:SYB

[133] A. Cibotarica, Jiu Ding, J. Kolibal, and Noah H. Rhee. Solutions of the Yang–Baxter matrix equation for an idempotent. *Numerical Algebra, Control and Optimization*, 3(2):347–352, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.347.

Chbani:2013:WSC

[134] Zaki Chbani and Hassan Riahi. Weak and strong convergence of prox-penalization and splitting algorithms for bilevel equilibrium problems. *Numerical Algebra, Control and Optimization*, 3(2):353–366, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.353.

Dobre:2013:MPR

[135] Cristian Dobre. Mathematical properties of the regular *-representation of matrix $*$-algebras with applications to semidefinite programming. *Numerical Algebra, Control and Optimization*, 3(2):367–378, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.367.

Jena:2013:IRM

[136] Litismita Jena and Sabyasachi Pani. Index-range monotonicity and index-proper splittings of matrices. *Numerical Algebra, Control and Optimization*, 3(2):379–388, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.379.

Tarasyev:2013:ANS

[137] Alexander Tarasyev and Anastasia Usova. Application of a nonlinear stabilizer for localizing search of optimal trajectories in control problems with infinite horizon. *Numerical Algebra, Control and Optimization*, 3(3):389–406, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2013.3.389.

Pineda:2013:MCC

[138] M. Delgado Pineda, E. A. Galperin, and P. Jiménez Guerra. MAPLE code of the cubic algorithm for multiobjective optimization with box constraints. *Numerical Algebra, Control and Optimization*, 3(3):407–424, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.407`.

Udwadia:2013:GNC

[139] Firdaus E. Udwadia and Thanapat Wanichanon. On general nonlinear constrained mechanical systems. *Numerical Algebra, Control and Optimization*, 3(3):425–443, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.425`.

Nelson:2013:DMR

[140] James P. Nelson and Mark J. Balas. Direct model reference adaptive control of linear systems with input/output delays. *Numerical Algebra, Control and Optimization*, 3(3):445–462, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.445`.

Goh:2013:PNM

[141] B. S. Goh, W. J. Leong, and Z. Siri. Partial Newton methods for a system of equations. *Numerical Algebra, Control and Optimization*, 3 (3):463–469, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.463`.

Isaev:2013:ITS

[142] Vyacheslav K. Isaev and Vyacheslav V. Zolotukhin. Introduction to the theory of splines with an optimal mesh. Linear Chebyshev splines and applications. *Numerical Algebra, Control and Optimization*, 3(3):471–489, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.471`.

Wang:2013:DIS

[143] Wei guo Wang, Wei chao Wang, and Ren cang Li. Deflating irreducible singular M-matrix algebraic Riccati equations. *Numerical Algebra, Control and Optimization*, 3(3):491–518, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.491`.

Baier:2013:ARS

[144] Robert Baier, Matthias Gerdts, and Ilaria Xausa. Approximation of reachable sets using optimal control algorithms. *Numerical Algebra, Control and Optimization*, 3(3):519–548, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.519`.

Khattri:2013:ANS

[145] Sanjay Khattri. Another note on some quadrature based three-step iterative methods for non-linear equations. *Numerical Algebra, Control and Optimization*, 3(3):549–555, ???? 2013. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.549`.

Lee:2013:CTC

[146] Byung-Soo Lee. A convergence theorem of common fixed points of a countably infinite family of asymptotically quasi-f_i-expansive mappings in convex metric spaces. *Numerical Algebra, Control and Optimization*, 3(3):557–565, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.557`.

Chen:2013:ESW

[147] Jiawei Chen, Zhongping Wan, and Liuyang Yuan. Existence of solutions and α-well-posedness for a system of constrained set-valued variational inequalities. *Numerical Algebra, Control and Optimization*, 3(3):567–581, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.567`.

Han:2013:UOA

[148] Lixing Han. An unconstrained optimization approach for finding real eigenvalues of even order symmetric tensors. *Numerical Algebra, Control and Optimization*, 3(3):583–599, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.583`.

Kheirfam:2013:FNT

[149] Behrouz Kheirfam. A full Nesterov–Todd step infeasible interior-point algorithm for symmetric optimization based on a specific kernel function. *Numerical Algebra, Control and Optimization*, 3(4):601–614, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.601`.

Yan:2013:SPC

[150] Lijia Yan. Some properties of a class of (F, E)-G generalized convex functions. *Numerical Algebra, Control and Optimization*, 3(4):615–625, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.615`.

Miao:2013:EBS

[151] Xin-He Miao and Jein-Shan Chen. Error bounds for symmetric cone complementarity problems. *Numerical Algebra, Control and Optimization*, 3(4):627–641, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.627`.

Zhao:2013:CBP

[152] Kequan Zhao and Xinmin Yang. Characterizations of the E-Benson proper efficiency in vector optimization problems. *Numerical Algebra, Control and Optimization*, 3(4):643–653, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.643`.

Xu:2013:DBE

[153] Honglei Xu, Peng Sui, Guanglu Zhou, and Louis Caccetta. Damp-

ening bullwhip effect of order-up-to inventory strategies via an optimal control method. *Numerical Algebra, Control and Optimization*, 3 (4):655–664, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.655`.

Huang:2013:SDP

[154] Wei Huang, Ka-Fai Cedric Yiu, and Henry Y. K. Lau. Semi-definite programming based approaches for real-time tractor localization in port container terminals. *Numerical Algebra, Control and Optimization*, 3(4): 665–680, ???? 2013. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2013.3.665`.

Lyu:2014:HHI

[155] Shu-Lin Lyu. On the Hermite–Hadamard inequality for convex functions of two variables. *Numerical Algebra, Control and Optimization*, 4(1):1–8, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.1`.

Zhou:2014:TFL

[156] Yuying Zhou and Gang Li. The Toland–Fenchel–Lagrange duality of DC programs for composite convex functions. *Numerical Algebra, Control and Optimization*, 4(1):9–23, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.9`.

Kong:2014:PGP

[157] Lingchen Kong, Naihua Xiu, and Guokai Liu. Partial S-goodness for partially sparse signal recovery. *Numerical Algebra, Control and Optimization*, 4(1):25–38, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.25`.

Chang:2014:SUI

[158] Yu-Lin Chang and Chin-Yu Yang. Some useful inequalities via trace function method in Euclidean Jordan algebras. *Numerical Algebra, Control and Optimization*, 4(1):39–48, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.39`.

Tian:2014:AVD

[159] Shuangliang Tian, Ping Chen, Yabin Shao, and Qian Wang. Adjacent vertex distinguishing edge-colorings and total-colorings of the Cartesian product of graphs. *Numerical Algebra, Control and Optimization*, 4(1):49–58, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.49`.

Ko:2014:GFB

[160] Chun-Hsu Ko and Jing-Kun Chen. Grasping force based manipulation for multifingered hand-arm robot using neural networks. *Numerical Algebra, Control and Optimization*, 4 (1):59–74, ???? 2014. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.59.

Ibrahim:2014:ALE

[161] Nur Fadhilah Ibrahim. An algorithm for the largest eigenvalue of nonhomogeneous nonnegative polynomials. *Numerical Algebra, Control and Optimization*, 4(1):75–91, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.75.

Zhang:2014:SCE

[162] Shenggui Zhang. A sufficient condition of Euclidean rings given by polynomial optimization over a box. *Numerical Algebra, Control and Optimization*, 4(2):93–101, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.93.

Wang:2014:PIN

[163] Lei Wang, Jinlong Yuan, Yingfang Li, Enmin Feng, and Zhilong Xiu. Parameter identification of nonlinear delayed dynamical system in microbial fermentation based on biological robustness. *Numerical Algebra, Control and Optimization*, 4(2):103–113, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.103.

Caccetta:2014:MIP

[164] Louis Caccetta and Syarifah Z. Nordin. Mixed integer programming model for scheduling in unrelated parallel processor system with priority consideration. *Numerical Algebra, Control and Optimization*, 4(2):115–132, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.115.

Lee:2014:ECR

[165] Byung-Soo Lee. Existence and convergence results for best proximity points in cone metric spaces. *Numerical Algebra, Control and Optimization*, 4(2):133–140, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.133.

Kheirfam:2014:WPF

[166] Behrouz Kheirfam. A weighted-path-following method for symmetric cone linear complementarity problems. *Numerical Algebra, Control and Optimization*, 4(2):141–150, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.141.

Scott:2014:ASD

[167] Jason R. Scott and Stephen Campbell. Auxiliary signal design for failure detection in differential-algebraic equations. *Numerical Algebra, Control and Optimization*, 4(2):151–179, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.151.

Mahmoud:2014:RCD

[168] Magdi S. Mahmoud and Omar Al-Buraiki. Robust control design of au-

tonomous bicycle kinematics. *Numerical Algebra, Control and Optimization*, 4(3):181–191, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.181`.

Li:2014:CAW

[169] Leong-Kwan Li and Sally Shao. Convergence analysis of the weighted state space search algorithm for recurrent neural networks. *Numerical Algebra, Control and Optimization*, 4(3):193–207, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.193`.

Wu:2014:TSM

[170] Tingting Wu, Yufei Yang, and Huichao Jing. Two-step methods for image zooming using duality strategies. *Numerical Algebra, Control and Optimization*, 4(3):209–225, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.209`.

Lungten:2014:SII

[171] Sangye Lungten, Wil H. A. Schilders, and Joseph M. L. Maubach. Sparse inverse incidence matrices for Schilders' factorization applied to resistor network modeling. *Numerical Algebra, Control and Optimization*, 4(3):227–239, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.227`.

Held:2014:SPA

[172] Harald Held, Gabriela Martinez, and Philipp Emanuel Stelzig. Stochastic programming approach for energy management in electric microgrids. *Numerical Algebra, Control and Optimization*, 4(3):241–267, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.241`.

Aizam:2014:CMT

[173] Nur Aidya Hanum Aizam and Louis Caccetta. Computational models for timetabling problem. *Numerical Algebra, Control and Optimization*, 4(3):269–285, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.269`.

Lee:2014:SCI

[174] B. S. Lee and Arif Rafiq. Strong convergence of an implicit iteration process for a finite family of Lipschitz ϕ-uniformly pseudocontractive mappings in Banach spaces. *Numerical Algebra, Control and Optimization*, 4(4):287–293, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2014.4.287`.

Li:2014:NSA

[175] Lili Li and Chunrong Chen. Nonlinear scalarization with applications to Hölder continuity of approximate solutions. *Numerical Algebra, Control and Optimization*, 4(4):295–307, ???? 2014. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.295.

Yu:2014:TPH

[176] Guolin Yu. Topological properties of Henig globally efficient solutions of set-valued problems. *Numerical Algebra, Control and Optimization*, 4(4):309–316, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.309.

Qu:2014:NSS

[177] Wei Qu, Siu-Long Lei, and Seak-Weng Vong. A note on the stability of a second order finite difference scheme for space fractional diffusion equations. *Numerical Algebra, Control and Optimization*, 4(4):317–325, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.317.

Zhang:2014:MPS

[178] Yu Zhang and Tao Chen. Minimax problems for set-valued mappings with set optimization. *Numerical Algebra, Control and Optimization*, 4(4):327–340, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.327.

Chan:2014:EIS

[179] Kit Yan Chan, Changjun Yu, Kok Lay Teo, and Sven Nordholm. Essential issues on solving optimal power flow problems using soft-computing. *Numerical Algebra, Control and Optimization*, 4(4):341–351, ???? 2014. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2014.4.341.

Gao:2015:P

[180] Yan Gao, Zhiqiang Xu, Lei Wang, and Honglei Xu. Preface. *Numerical Algebra, Control and Optimization*, 5(1):i–ii, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.1i.

Han:2015:DVH

[181] Yanli Han and Yan Gao. Determining the viability for hybrid control systems on a region with piecewise smooth boundary. *Numerical Algebra, Control and Optimization*, 5(1):1–9, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.1.

Wang:2015:DRD

[182] Li-Min Wang, Jing-Xian Yu, Jia Shi, and Fu-Rong Gao. Delay-range dependent H_∞ control for uncertain 2d-delayed systems. *Numerical Algebra, Control and Optimization*, 5 (1):11–23, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.11.

Qi:2015:GCP

[183] Liyan Qi, Xiantao Xiao, and Liwei Zhang. On the global convergence

of a parameter-adjusting Levenberg–Marquardt method. *Numerical Algebra, Control and Optimization*, 5 (1):25–36, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.25`.

Li:2015:ACP

[184] Siqi Li and Weiyi Qian. Analysis of complexity of primal-dual interior-point algorithms based on a new kernel function for linear optimization. *Numerical Algebra, Control and Optimization*, 5(1):37–46, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.37`.

Lv:2015:OPT

[185] Wei Lv and Ruirui Sui. Optimality of piecewise thermal conductivity in a snow-ice thermodynamic system. *Numerical Algebra, Control and Optimization*, 5(1):47–57, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.47`.

Zhai:2015:ODS

[186] Jingang Zhai, Guangmao Jiang, and Jianxiong Ye. Optimal dilution strategy for a microbial continuous culture based on the biological robustness. *Numerical Algebra, Control and Optimization*, 5(1):59–69, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.59`.

Luo:2015:SMB

[187] Chengxin Luo. Single machine batch scheduling problem to minimize makespan with controllable setup and jobs processing times. *Numerical Algebra, Control and Optimization*, 5(1):71–77, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.71`.

Liu:2015:PIG

[188] Sanming Liu, Zhijie Wang, and Chongyang Liu. Proximal iterative Gaussian smoothing algorithm for a class of nonsmooth convex minimization problems. *Numerical Algebra, Control and Optimization*, 5 (1):79–89, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.79`.

Bai:2015:P

[189] Yanqin Bai, Duan Li, Hezhi Luo, and Guoqiang Wang. Preface. *Numerical Algebra, Control and Optimization*, 5(2):i–ii, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.2i`.

Wang:2015:PDA

[190] Fengmin Wang, Dachuan Xu, Donglei Du, and Chenchen Wu. Primal-dual approximation algorithms for submodular cost set cover problems with linear/submodular penalties. *Numerical Algebra, Control and Optimization*, 5(2):91–100, ???? 2015. CO-

DEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.91`.

Wang:2015:CAP

[191] Guoqiang Wang, Zhongchen Wu, Zhongtuan Zheng, and Xinzhong Cai. Complexity analysis of primal-dual interior-point methods for semidefinite optimization based on a parametric kernel function with a trigonometric barrier term. *Numerical Algebra, Control and Optimization*, 5(2):101–113, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.101`.

Li:2015:SQF

[192] Jianling Li, Chunting Lu, and Youfang Zeng. A smooth QP-free algorithm without a penalty function or a filter for mathematical programs with complementarity constraints. *Numerical Algebra, Control and Optimization*, 5(2):115–126, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.115`.

Xiu:2015:ROS

[193] Xianchao Xiu and Lingchen Kong. Rank-one and sparse matrix decomposition for dynamic MRI. *Numerical Algebra, Control and Optimization*, 5(2):127–134, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.127`.

Msigwa:2015:PBA

[194] Robert Ebihart Msigwa, Yue Lu, Xiantao Xiao, and Liwei Zhang. A perturbation-based approach for continuous network design problem with emissions. *Numerical Algebra, Control and Optimization*, 5(2):135–149, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.135`.

Zhu:2015:SMA

[195] Wenxing Zhu, Yanpo Liu, and Geng Lin. Speeding up a memetic algorithm for the max-bisection problem. *Numerical Algebra, Control and Optimization*, 5(2):151–168, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.151`.

Zhang:2015:WTR

[196] Liang Zhang, Wenyu Sun, Raimundo J. B. de Sampaio, and Jinyun Yuan. A wedge trust region method with self-correcting geometry for derivative-free optimization. *Numerical Algebra, Control and Optimization*, 5(2):169–184, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.169`.

Xia:2015:NSR

[197] Yong Xia, Yu-Jun Gong, and Sheng-Nan Han. A new semidefinite relaxation for L_1-constrained quadratic optimization and extensions. *Numerical Algebra, Control and Optimization*, 5(2):185–195, ???? 2015. CO-

DEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.185.

Chen:2015:CST

[198] Zhiping Chen and Youpan Han. Continuity and stability of two-stage stochastic programs with quadratic continuous recourse. *Numerical Algebra, Control and Optimization*, 5 (2):197–209, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.197.

Bai:2015:PDI

[199] Yanqin Bai, Xuerui Gao, and Guoqiang Wang. Primal-dual interior-point algorithms for convex quadratic circular cone optimization. *Numerical Algebra, Control and Optimization*, 5(2):211–231, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.211.

Enkhbat:2015:PPA

[200] R. Enkhbat, N. Tungalag, and A. S. Strekalovsky. Pseudoconvexity properties of average cost functions. *Numerical Algebra, Control and Optimization*, 5(3):233–236, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.233.

Zhu:2015:QNT

[201] Honglan Zhu, Qin Ni, and Meilan Zeng. A quasi-Newton trust region method based on a new fractional model. *Numerical Algebra, Control and Optimization*, 5(3):237–249, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.237.

Kek:2015:GAO

[202] Sie Long Kek, Mohd Ismail Abd Aziz, and Kok Lay Teo. A gradient algorithm for optimal control problems with model-reality differences. *Numerical Algebra, Control and Optimization*, 5(3):251–266, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.251.

Mishra:2015:MGM

[203] Debasisha Mishra. Matrix group monotonicity using a dominance notion. *Numerical Algebra, Control and Optimization*, 5(3):267–274, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.267.

Kek:2015:ORD

[204] Sie Long Kek and Mohd Ismail Abd Aziz. Output regulation for discrete-time nonlinear stochastic optimal control problems with model-reality differences. *Numerical Algebra, Control and Optimization*, 5(3):275–288, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2015.5.275.

Tian:2015:SRI

[205] Yongge Tian. A survey on rank and inertia optimization problems of the matrix-valued function $A + BXB^*$. *Numerical Algebra, Control and Optimization*, 5(3):289–326, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.289`.

Tan:2015:DSS

[206] Xinxin Tan, Shujuan Li, Sisi Liu, Zhiwei Zhao, Lisa Huang, and Jiatai Gang. Dynamic simulation of a SEIQR-v epidemic model based on cellular automata. *Numerical Algebra, Control and Optimization*, 5(4):327–337, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.327`.

Gao:2015:OCM

[207] Jinggui Gao, Xiaoyan Zhao, and Jinggang Zhai. Optimal control of microbial fed-batch culture involving multiple feeds. *Numerical Algebra, Control and Optimization*, 5(4):339–349, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.339`.

Wang:2015:SSP

[208] Jinzhi Wang and Yuduo Zhang. Solving the seepage problems with free surface by mathematical programming method. *Numerical Algebra, Control and Optimization*, 5(4):351–357, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.351`.

Mao:2015:MIH

[209] Yanan Mao, Caixia Gao, Ruidong Yan, and Aruna Bai. Modeling and identification of hybrid dynamic system in microbial continuous fermentation. *Numerical Algebra, Control and Optimization*, 5(4):359–368, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.359`.

Shen:2015:NSD

[210] Bangyu Shen, Xiaojing Wang, and Chongyang Liu. Nonlinear state-dependent impulsive system in fed-batch culture and its optimal control. *Numerical Algebra, Control and Optimization*, 5(4):369–380, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.369`.

Wang:2015:SMM

[211] Yan Wang, Lei Wang, Yanxiang Zhao, Aimin Song, and Yanping Ma. A stochastic model for microbial fermentation process under Gaussian white noise environment. *Numerical Algebra, Control and Optimization*, 5(4):381–392, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.381`.

Zhang:2015:MID

[212] Xu Zhang and Xiang Li. Modeling and identification of dynamical system with genetic regulation in batch

fermentation of glycerol. *Numerical Algebra, Control and Optimization*, 5(4):393–403, ???? 2015. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2015.5.393`.

Benner:2016:BBM

[213] Peter Benner, Jens Saak, and M. Monir Uddin. Balancing based model reduction for structured index-2 unstable descriptor systems with application to flow control. *Numerical Algebra, Control and Optimization*, 6(1):1–20, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.1`.

Zhang:2016:OLR

[214] Xuepeng Zhang and Zhibin Liang. Optimal layer reinsurance on the maximization of the adjustment coefficient. *Numerical Algebra, Control and Optimization*, 6(1):21–34, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.21`.

Yu:2016:GPE

[215] Guolin Yu. Global proper efficiency and vector optimization with cone-arcwise connected set-valued maps. *Numerical Algebra, Control and Optimization*, 6(1):35–44, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.35`.

Yan:2016:NCP

[216] Xi-Hong Yan. A new convergence proof of augmented Lagrangian-based method with full Jacobian decomposition for structured variational inequalities. *Numerical Algebra, Control and Optimization*, 6(1):45–54, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.45`.

Liang:2016:DRI

[217] Qiao Liang and Qiang Ye. Deflation by restriction for the inverse-free preconditioned Krylov subspace method. *Numerical Algebra, Control and Optimization*, 6(1):55–71, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.55`.

Hossain:2016:PBM

[218] Mohammad-Sahadet Hossain. Projection-based model reduction for time-varying descriptor systems: New results. *Numerical Algebra, Control and Optimization*, 6(1):73–90, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016.6.73`.

Le:2016:BPN

[219] Thanh Hieu Le and Marc Van Barel. On bounds of the Pythagoras number of the sum of square magnitudes of Laurent polynomials. *Numerical Algebra, Control and Optimization*, 6(2):91–102, ???? 2016. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016001.

Giri:2016:IPN

[220] Chinmay Kumar Giri. Index-proper nonnegative splittings of matrices. *Numerical Algebra, Control and Optimization*, 6(2):103–113, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016002.

Vieira:2016:DEJ

[221] Manuel V. C. Vieira. Derivatives of eigenvalues and Jordan frames. *Numerical Algebra, Control and Optimization*, 6(2):115–126, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016003.

Mahmoud:2016:OFO

[222] Magdi S. Mahmoud. Output feedback overlapping control design of interconnected systems with input saturation. *Numerical Algebra, Control and Optimization*, 6(2):127–151, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016004.

Enkhbat:2016:SMH

[223] Rentsen Enkhbat, M. V. Barkova, and A. S. Strekalovsky. Solving Malfatti's high dimensional problem by global optimization. *Numerical Algebra, Control and Optimization*, 6(2):153–160, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016005.

Sahiner:2016:NSA

[224] Ahmet Sahiner, Gulden Kapusuz, and Nurullah Yilmaz. A new smoothing approach to exact penalty functions for inequality constrained optimization problems. *Numerical Algebra, Control and Optimization*, 6(2):161–173, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016006.

Hamidoglu:2016:GFT

[225] Ali Hamidoğlu. On general form of the Tanh method and its application to nonlinear partial differential equations. *Numerical Algebra, Control and Optimization*, 6(2):175–181, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016007.

Kropat:2016:SPD

[226] Erik Kropat, Silja Meyer-Nieberg, and Gerhard-Wilhelm Weber. Singularly perturbed diffusion-advection-reaction processes on extremely large three-dimensional curvilinear networks with a periodic microstructure — efficient solution strategies based on homogenization theory. *Numerical Algebra, Control and Optimization*, 6(2):183–219, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2016008.

Sreeram:2016:F

[227] Victor Sreeram. Forword. *Numerical Algebra, Control and Optimization*, 6(3):i–ii, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.201603i`.

Rami:2016:PSH

[228] Mustapha Ait Rami and John Moore. Partial stabilizability and hidden convexity of indefinite LQ problem. *Numerical Algebra, Control and Optimization*, 6(3):221–239, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016009`.

Helmke:2016:MSR

[229] Uwe Helmke and Michael Schönlein. Minimum sensitivity realizations of networks of linear systems. *Numerical Algebra, Control and Optimization*, 6(3):241–262, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016010`.

Liang:2016:RFL

[230] A. Liang, C. Wang, W. Liu, and L. Li. Robust and flexible landmarks detection for uncontrolled frontal faces in the wild. *Numerical Algebra, Control and Optimization*, 6(3):263–296, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016011`.

Li:2016:LCZ

[231] Bin Li, Hai Huyen Dam, and Antonio Cantoni. A low-complexity zero-forcing beamformer design for multiuser MIMO systems via a dual gradient method. *Numerical Algebra, Control and Optimization*, 6(3):297–304, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016012`.

Lee:2016:DCS

[232] Sang-Heon Lee. Development of concurrent structural decentralised discrete event system using bisimulation concept. *Numerical Algebra, Control and Optimization*, 6(3):305–317, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016013`.

Anderson:2016:DGA

[233] Brian D. O. Anderson, Shaoshuai Mou, A. Stephen Morse, and Uwe Helmke. Decentralized gradient algorithm for solution of a linear equation. *Numerical Algebra, Control and Optimization*, 6(3):319–328, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016014`.

Kumar:2016:PFE

[234] Deepak Kumar, Ahmad Jazlan, Victor Sreeram, and Roberto Togneri. Partial fraction expansion based frequency weighted model reduction for discrete-time systems. *Numerical Algebra, Control and Optimization*, 6 (3):329–337, ???? 2016. CODEN

???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016015`.

Wang:2016:NCS

[235] Yujing Wang, Changjun Yu, and Kok Lay Teo. A new computational strategy for optimal control problem with a cost on changing control. *Numerical Algebra, Control and Optimization*, 6(3):339–364, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016016`.

Krishnamurthy:2016:IDS

[236] Vikram Krishnamurthy and William Hoiles. Information diffusion in social sensing. *Numerical Algebra, Control and Optimization*, 6(3):365–411, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016017`.

Kramer:2016:PPM

[237] Boris Kramer and John R. Singler. A POD projection method for large-scale algebraic Riccati equations. *Numerical Algebra, Control and Optimization*, 6(4):413–435, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016018`.

Hovda:2016:CFE

[238] Sigve Hovda. Closed-form expression for the inverse of a class of tridiagonal matrices. *Numerical Algebra, Control and Optimization*, 6(4):437–445, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016019`.

Campbell:2016:SHI

[239] Stephen Campbell and Peter Kunkel. Solving higher index DAE optimal control problems. *Numerical Algebra, Control and Optimization*, 6(4):447–472, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016020`.

Liu:2016:ASS

[240] Yongchao Liu, Hailin Sun, and Huifu Xu. An approximation scheme for stochastic programs with second order dominance constraints. *Numerical Algebra, Control and Optimization*, 6(4):473–490, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016021`.

Pozdyayev:2016:SAD

[241] Vladimir Pozdyayev. 2d system analysis via dual problems and polynomial matrix inequalities. *Numerical Algebra, Control and Optimization*, 6(4):491–504, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016022`.

Dang:2016:CAP

[242] Yazheng Dang, Fanwen Meng, and Jie Sun. Convergence analysis of a parallel projection algorithm for solving

convex feasibility problems. *Numerical Algebra, Control and Optimization*, 6(4):505–519, ???? 2016. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2016023`.

Glizer:2017:SIH

[243] Valery Y. Glizer and Oleg Kelis. Singular infinite horizon zero-sum linear-quadratic differential game: Saddle-point equilibrium sequence. *Numerical Algebra, Control and Optimization*, 7(1):1–20, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017001`.

Pervin:2017:TEI

[244] Magfura Pervin, Sankar Kumar Roy, and Gerhard Wilhelm Weber. A two-echelon inventory model with stock-dependent demand and variable holding cost for deteriorating items. *Numerical Algebra, Control and Optimization*, 7(1):21–50, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017002`.

Kropat:2017:HOC

[245] Erik Kropat. Homogenization of optimal control problems on curvilinear networks with a periodic microstructure — results on S-homogenization and Γ-convergence. *Numerical Algebra, Control and Optimization*, 7(1):51–76, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017003`.

Eshkuvatov:2017:EAM

[246] Z. K. Eshkuvatov, M. Kammuji, Bachok M. Taib, and N. M. A. Nik Long. Effective approximation method for solving linear Fredholm–Volterra integral equations. *Numerical Algebra, Control and Optimization*, 7(1):77–88, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017004`.

Ibragimov:2017:SLP

[247] Gafurjan Ibragimov, Askar Rakhmanov, Idham Arif Alias, and Mai Zurwatul Ahlam Mohd Jaffar. The soft landing problem for an infinite system of second order differential equations. *Numerical Algebra, Control and Optimization*, 7(1):89–94, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017005`.

Ibrahim:2017:AOB

[248] Z. B. Ibrahim, N. A. A. Mohd Nasir, K. I. Othman, and N. Zainuddin. Adaptive order of block backward differentiation formulas for stiff ODEs. *Numerical Algebra, Control and Optimization*, 7(1):95–106, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017006`.

Karimi:2017:RBI

[249] Mostafa Karimi, Noor Akma Ibrahim, Mohd Rizam Abu Bakar, and Jayan-

thi Arasan. Rank-based inference for the accelerated failure time model in the presence of interval censored data. *Numerical Algebra, Control and Optimization*, 7(1):107–112, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017007`.

Ketabchi:2017:CMN

[250] Saeed Ketabchi, Hossein Moosaei, M. Parandegan, and Hamidreza Navidi. Computing minimum norm solution of linear systems of equations by the generalized Newton method. *Numerical Algebra, Control and Optimization*, 7(2):113–119, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017008`.

Veremey:2017:SHO

[251] Evgeny I. Veremey and Vladimir V. Eremeev. SISO h-optimal synthesis with initially specified structure of control law. *Numerical Algebra, Control and Optimization*, 7(2):121–138, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017009`.

Kropat:2017:CNS

[252] Erik Kropat, Silja Meyer-Nieberg, and Gerhard-Wilhelm Weber. Computational networks and systems-homogenization of self-adjoint differential operators in variational form on periodic networks and micro-architectured systems. *Numerical Algebra, Control and Optimization*, 7 (2):139–169, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017010`.

Kheirfam:2017:IFN

[253] Behrouz Kheirfam and Guoqiang Wang. An infeasible full NT-step interior point method for circular optimization. *Numerical Algebra, Control and Optimization*, 7(2):171–184, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017011`.

Shmyrov:2017:OSO

[254] Alexander Shmyrov and Vasily Shmyrov. The optimal stabilization of orbital motion in a neighborhood of collinear libration point. *Numerical Algebra, Control and Optimization*, 7(2):185–189, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017012`.

Srochko:2017:SOC

[255] Vladimir Srochko, Vladimir Antonik, and Elena Aksenyushkina. Sufficient optimality conditions for extremal controls based on functional increment formulas. *Numerical Algebra, Control and Optimization*, 7(2):191–199, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017013`.

Sorokin:2017:FNO

[256] Stepan Sorokin and Maxim Staritsyn. Feedback necessary optimality condi-

tions for a class of terminally constrained state-linear variational problems inspired by impulsive control. *Numerical Algebra, Control and Optimization*, 7(2):201–210, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017014`.

Enkhbat:2017:GOR

[257] Rentsen Enkhbat, Evgeniya A. Finkelstein, Anton S. Anikin, and Alexandr Yu. Gornov. Global optimization reduction of generalized Malfatti's problem. *Numerical Algebra, Control and Optimization*, 7(2):211–221, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017015`.

Kropat:2017:BGB

[258] Erik Kropat, Silja Meyer-Nieberg, and Gerhard-Wilhelm Weber. Bridging the gap between variational homogenization results and two-scale asymptotic averaging techniques on periodic network structures. *Numerical Algebra, Control and Optimization*, 7(3):223–250, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017016`.

Muradova:2017:ANF

[259] Aliki D. Muradova, Georgios K. Tairidis, and Georgios E. Stavroulakis. Adaptive neuro-fuzzy vibration control of a smart plate. *Numerical Algebra, Control and Optimization*, 7(3):251–271, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017017`.

Li:2017:OOP

[260] Wen Li, Song Wang, and Volker Rehbock. A 2nd-order one-point numerical integration scheme for fractional ordinary differential equations. *Numerical Algebra, Control and Optimization*, 7(3):273–287, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017018`.

Chretien:2017:PCC

[261] Stéphane Chrétien, Sébastien Darses, Christophe Guyeux, and Paul Clarkson. On the pinning controllability of complex networks using perturbation theory of extreme singular values. application to synchronisation in power grids. *Numerical Algebra, Control and Optimization*, 7(3):289–299, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017019`.

Tawhid:2017:SGW

[262] Mohamed A. Tawhid and Ahmed F. Ali. A simplex grey wolf optimizer for solving integer programming and minimax problems. *Numerical Algebra, Control and Optimization*, 7(3):301–323, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017020`.

Yang:2017:AOB

[263] Wanli Yang, Jie Sun, and Su Zhang. Analysis of optimal boundary control for a three-dimensional reaction-diffusion system. *Numerical Algebra, Control and Optimization*, 7(3):325–344, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017021`.

Zhang:2017:TNC

[264] Yibo Zhang, Jinfeng Gao, Jia Ren, and Huijiao Wang. A type of new consensus protocol for two-dimension multi-agent systems. *Numerical Algebra, Control and Optimization*, 7 (3):345–357, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017022`.

Ahmadi:2017:MSP

[265] Ardeshir Ahmadi and Hamed Davari-Ardakani. A multistage stochastic programming framework for cardinality constrained portfolio optimization. *Numerical Algebra, Control and Optimization*, 7(3):359–377, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017023`.

Moslemi:2017:PEF

[266] Shiva Moslemi and Abolfazl Mirzazadeh. Performance evaluation of four-stage blood supply chain with feedback variables using NDEA cross-efficiency and entropy measures under IER uncertainty. *Numerical Algebra, Control and Optimization*, 7(4):379–401, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017024`.

Zahedi-Seresht:2017:NMC

[267] Mazyar Zahedi-Seresht, Gholam-Reza Jahanshahloo, Josef Jablonsky, and Sedighe Asghariniya. A new Monte Carlo based procedure for complete ranking efficient units in DEA models. *Numerical Algebra, Control and Optimization*, 7(4):403–416, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017025`.

Tirkolaee:2017:RMT

[268] Erfan Babaee Tirkolaee, Alireza Goli, Mani Bakhsi, and Iraj Mahdavi. A robust multi-trip vehicle routing problem of perishable products with intermediate depots and time windows. *Numerical Algebra, Control and Optimization*, 7(4):417–433, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017026`.

Ahmadzadeh:2017:IMI

[269] Farzaneh Ahmadzadeh, Kathrina Jederström, Maria Plahn, Anna Olsson, and Isabell Foyer. An investigation of the most important factors for sustainable product development using evidential reasoning. *Numerical Algebra, Control and Optimization*, 7(4):435–455, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017027`.

Xiao:2017:SNI

[270] Hongguang Xiao, Wen Tan, Dehua Xiang, Lifu Chen, and Ning Li. A study of numerical integration based on Legendre polynomial and RLS algorithm. *Numerical Algebra, Control and Optimization*, 7(4):457–464, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017028`.

Ardakan:2017:HMH

[271] Mostafa Abouei Ardakan, A. Kourank Beheshti, S. Hamid Mirmohammadi, and Hamed Davari Ardakani. A hybrid meta-heuristic algorithm to minimize the number of tardy jobs in a dynamic two-machine flow shop problem. *Numerical Algebra, Control and Optimization*, 7(4):465–480, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017029`.

Tyatyushkin:2017:NMS

[272] Alexander Tyatyushkin and Tatiana Zarodnyuk. Numerical method for solving optimal control problems with phase constraints. *Numerical Algebra, Control and Optimization*, 7 (4):481–492, ???? 2017. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2017030`.

Filar:2018:LGR

[273] Jerzy A. Filar, Michael Haythorpe, and Richard Taylor. Linearly-growing reductions of Karp's 21 NP-complete problems. *Numerical Algebra, Control and Optimization*, 8(1):1–16, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018001`.

Csomos:2018:FSM

[274] Petra Csomós and Hermann Mena. Fourier-splitting method for solving hyperbolic LQR problems. *Numerical Algebra, Control and Optimization*, 8(1):17–46, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018002`.

Gergel:2018:GNS

[275] Victor Gergel, Konstantin Barkalov, and Alexander Sysoyev. Globalizer: A novel supercomputer software system for solving time-consuming global optimization problems. *Numerical Algebra, Control and Optimization*, 8(1):47–62, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018003`.

Mostolizadeh:2018:MMC

[276] Reihaneh Mostolizadeh, Zahra Afsharnezhad, and Anna Marciniak-Czochra. Mathematical model of Chimeric Anti-gene Receptor (CAR) T cell therapy with presence of cytokine. *Numerical Algebra, Control and Optimization*, 8(1):63–80, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018004`.

Adly:2018:USD

[277] Samir Adly and Ba Khiet Le. Unbounded state-dependent sweeping processes with perturbations in uniformly convex and q-uniformly smooth Banach spaces. *Numerical Algebra, Control and Optimization*, 8(1):81–95, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018005`.

Liu:2018:FLP

[278] Yanqing Liu, Jiyuan Tao, Huan Zhang, Xianchao Xiu, and Lingchen Kong. Fused LASSO penalized least absolute deviation estimator for high dimensional linear regression. *Numerical Algebra, Control and Optimization*, 8(1):97–117, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018006`.

Benner:2018:NCL

[279] Peter Benner, Ryan Lowe, and Matthias Voigt. $\mathcal{L}_\infty$-norm computation for large-scale descriptor systems using structured iterative eigensolvers. *Numerical Algebra, Control and Optimization*, 8(1):119–133, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018007`.

Kropat:2018:FTE

[280] Erik Kropat and Gerhard Wilhelm Weber. Fuzzy target-environment networks and fuzzy-regression approaches. *Numerical Algebra, Control and Optimization*, 8(2):135–155, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018008`.

Ledari:2018:TER

[281] Ashkan Mohsenzadeh Ledari, Alireza Arshadi Khamseh, and Mohammad Mohammadi. A three echelon revenue oriented green supply chain network design. *Numerical Algebra, Control and Optimization*, 8(2):157–168, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018009`.

Pervin:2018:IIM

[282] Magfura Pervin, Sankar Kumar Roy, and Gerhard Wilhelm Weber. An integrated inventory model with variable holding cost under two levels of trade-credit policy. *Numerical Algebra, Control and Optimization*, 8(2):169–191, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018010`.

Arguchintsev:2018:OCP

[283] Alexander Arguchintsev and Vasilisa Poplevko. An optimal control problem by parabolic equation with boundary smooth control and an integral constraint. *Numerical Algebra, Control and Optimization*, 8(2):193–202, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018011`.

Gu:2018:NBE

[284] Yining Gu and Wei Wu. New bounds for eigenvalues of strictly diagonally dominant tensors. *Numerical Algebra, Control and Optimization*, 8(2):203–210, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018012`.

Glizer:2018:API

[285] Valery Y. Glizer and Oleg Kelis. Asymptotic properties of an infinite horizon partial cheap control problem for linear systems with known disturbances. *Numerical Algebra, Control and Optimization*, 8(2):211–235, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018013`.

Duff:2018:ESC

[286] Iain Duff, Jonathan Hogg, and Florent Lopez. Experiments with sparse Cholesky using a sequential task-flow implementation. *Numerical Algebra, Control and Optimization*, 8 (2):237–260, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018014`.

Kheirfam:2018:EAS

[287] Behrouz Kheirfam and Morteza Moslemi. On the extension of an arc-search interior-point algorithm for semidefinite optimization. *Numerical Algebra, Control and Optimization*, 8(2):261–275, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018015`.

Chen:2018:P

[288] Chuei Yee Chen and Lai Soon Lee. Preface. *Numerical Algebra, Control and Optimization*, 8(3):i, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.201803i`.

Rakhmatillo:2018:CRA

[289] Aloev Rakhmatillo, Khudoyberganov Mirzoali, and Blokhin Alexander. Construction and research of adequate computational models for quasilinear hyperbolic systems. *Numerical Algebra, Control and Optimization*, 8(3):277–289, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018017`.

Ng:2018:PPO

[290] Teck Wee Ng and Siti Nur Iqmal Ibrahim. Pricing down-and-out power options with exponentially curved barrier. *Numerical Algebra, Control and Optimization*, 8(3):291–297, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018018`.

Ahmed:2018:CTS

[291] Shohel Ahmed, Abdul Alim, and Sumaiya Rahman. A controlled treatment strategy applied to HIV immunology model. *Numerical Algebra, Control and Optimization*, 8(3):

299–314, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018019`.

Lee:2018:TPA

[292] M. S. Lee, B. S. Goh, H. G. Harno, and K. H. Lim. On a two-phase approximate greatest descent method for nonlinear optimization with equality constraints. *Numerical Algebra, Control and Optimization*, 8(3):315–326, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018020`.

Lim:2018:AGD

[293] King Hann Lim, Hong Hui Tan, and Hendra G. Harno. Approximate greatest descent in neural network optimization. *Numerical Algebra, Control and Optimization*, 8(3):327–336, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018021`.

Eshkuvatov:2018:HPM

[294] Zainidin Eshkuvatov. Homotopy perturbation method and Chebyshev polynomials for solving a class of singular and hypersingular integral equations. *Numerical Algebra, Control and Optimization*, 8(3):337–350, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018022`.

Buba:2018:DEI

[295] Ahmed Tarajo Buba and Lai Soon Lee. Differential evolution with improved sub-route reversal repair mechanism for multiobjective urban transit routing problem. *Numerical Algebra, Control and Optimization*, 8(3):351–376, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018023`.

Sim:2018:MSS

[296] Hong Seng Sim, Wah June Leong, Chuei Yee Chen, and Siti Nur Iqmal Ibrahim. Multi-step spectral gradient methods with modified weak secant relation for large scale unconstrained optimization. *Numerical Algebra, Control and Optimization*, 8(3):377–387, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018024`.

Li:2018:PPC

[297] Xing Li, Chungen Shen, and Lei-Hong Zhang. A projected preconditioned conjugate gradient method for the linear response eigenvalue problem. *Numerical Algebra, Control and Optimization*, 8(4):389–412, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2018025`.

Arasu:2018:OPO

[298] K. T. Arasu and Manil T. Mohan. Optimization problems with orthogonal matrix constraints. *Numerical Algebra, Control and Optimization*, 8(4):413–440, ???? 2018. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018026.

Khatibzadeh:2018:CPP

[299] Hadi Khatibzadeh, Vahid Mohebbi, and Mohammad Hossein Alizadeh. On the cyclic pseudomonotonicity and the proximal point algorithm. *Numerical Algebra, Control and Optimization*, 8(4):441–449, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018027.

Liu:2018:QSA

[300] Yongchao Liu. Quantitative stability analysis of stochastic mathematical programs with vertical complementarity constraints. *Numerical Algebra, Control and Optimization*, 8(4):451–460, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018028.

Dolatabadi:2018:WVO

[301] Soheil Dolatabadi. Weighted vertices optimizer (WVO): A novel metaheuristic optimization algorithm. *Numerical Algebra, Control and Optimization*, 8(4):461–479, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018029.

Yilmaz:2018:SAM

[302] Bilgi Yilmaz and A. Sevtap Selcuk-Kestel. A stochastic approach to model housing markets: The US housing market case. *Numerical Algebra, Control and Optimization*, 8(4):481–492, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018030.

Ma:2018:FRP

[303] Haifeng Ma and Xiaoshuang Gao. Further results on the perturbation estimations for the Drazin inverse. *Numerical Algebra, Control and Optimization*, 8(4):493–503, ???? 2018. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2018031.

Mohammad:2019:BSM

[304] Hassan Mohammad, Mohammed Yusuf Waziri, and Sandra Augusta Santos. A brief survey of methods for solving nonlinear least-squares problems. *Numerical Algebra, Control and Optimization*, 9(1):1–13, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019001.

Guerarra:2019:PND

[305] Sihem Guerarra. Positive and negative definite submatrices in an Hermitian least rank solution of the matrix equation $AXA^* = B$. *Numerical Algebra, Control and Optimization*, 9(1):15–22, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019002.

Pulch:2019:SPG

[306] Roland Pulch. Stability preservation in Galerkin-type projection-based model order reduction. *Numerical Algebra, Control and Optimization*, 9(1):23–44, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019003`.

Qian:2019:LSR

[307] Rui Qian, Rong Hu, and Ya-Ping Fang. Local smooth representation of solution sets in parametric linear fractional programming problems. *Numerical Algebra, Control and Optimization*, 9(1):45–52, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019004`.

Pavlikova:2019:CUL

[308] Soña Pavlíková and Daniel Ševčovič. On construction of upper and lower bounds for the HOMO-LUMO spectral gap. *Numerical Algebra, Control and Optimization*, 9(1):53–69, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019005`.

Zhai:2019:FOI

[309] Wenjuan Zhai and Bingzhen Chen. A fourth order implicit symmetric and symplectic exponentially fitted Runge–Kutta–Nyström method for solving oscillatory problems. *Numerical Algebra, Control and Optimization*, 9(1):71–84, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019006`.

Zhong:2019:SLC

[310] Hongxiu Zhong, Guoliang Chen, and Xueping Guo. Semi-local convergence of the Newton-HSS method under the center Lipschitz condition. *Numerical Algebra, Control and Optimization*, 9(1):85–99, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019007`.

Kheirabadi:2019:SOC

[311] Akram Kheirabadi, Asadollah Mahmoudzadeh Vaziri, and Sohrab Effati. Solving optimal control problem using Hermite wavelet. *Numerical Algebra, Control and Optimization*, 9(1):101–112, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019008`.

Liu:2019:IMO

[312] Qiong Liu, Ahmad Reza Rezaei, Kuan Yew Wong, and Mohammad Mahdi Azami. Integrated modeling and optimization of material flow and financial flow of supply chain network considering financial ratios. *Numerical Algebra, Control and Optimization*, 9(2):113–132, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019009`.

Jayswala:2019:SOM

[313] Anurag Jayswala, Tadeusz Antczakb, and Shalini Jha. Second order modified objective function method for twice differentiable vector optimization problems over cone constraints. *Numerical Algebra, Control and Optimization*, 9(2):133–145, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019010`.

Asadi:2019:MTP

[314] Soodabeh Asadi and Hossein Mansouri. A Mehrotra type predictor-corrector interior-point algorithm for linear programming. *Numerical Algebra, Control and Optimization*, 9 (2):147–156, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019011`.

Abaffy:2019:NRC

[315] József Abaffy. A new reprojection of the conjugate directions. *Numerical Algebra, Control and Optimization*, 9(2):157–171, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019012`.

Hossain:2019:IMS

[316] M. Sumon Hossain and M. Monir Uddin. Iterative methods for solving large sparse Lyapunov equations and application to model reduction of index 1 differential-algebraic-equations. *Numerical Algebra, Control and Optimization*, 9(2):173–186, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019013`.

Goli:2019:ARO

[317] Alireza Goli, Hasan Khademi Zare, Reza Tavakkoli-Moghaddam, and Ahmad Sadeghieh. Application of robust optimization for a product portfolio problem using an invasive weed optimization algorithm. *Numerical Algebra, Control and Optimization*, 9(2):187–209, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019014`.

Dong:2019:HMM

[318] Zhengshan Dong, Jianli Chen, and Wenxing Zhu. Homotopy method for matrix rank minimization based on the matrix hard thresholding method. *Numerical Algebra, Control and Optimization*, 9(2):211–224, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019015`.

Chyba:2019:IMF

[319] Monique Chyba and Geoff Patterson. Indirect methods for fuel-minimal rendezvous with a large population of temporarily captured orbiters. *Numerical Algebra, Control and Optimization*, 9(2):225–256, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019016`.

Sreeram:2019:P

[320] Victor Sreeram. Preface. *Numerical Algebra, Control and Optimization*, 9(3):i, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.201903i`.

Chen:2019:BRF

[321] Liangming Chen, Ming Cao, and Chuanjiang Li. Bearing rigidity and formation stabilization for multiple rigid bodies in $SE(3)$. *Numerical Algebra, Control and Optimization*, 9(3):257–267, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019017`.

Wang:2019:RCC

[322] Xuan Wang, Shaoshuai Mou, and Shreyas Sundaram. A resilient convex combination for consensus-based distributed algorithms. *Numerical Algebra, Control and Optimization*, 9 (3):269–281, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019018`.

Argha:2019:OSO

[323] Ahmadreza Argha, Steven W. Su, Lin Ye, and Branko G. Celler. Optimal sparse output feedback for networked systems with parametric uncertainties. *Numerical Algebra, Control and Optimization*, 9(3):283–295, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019019`.

Sugie:2019:IHM

[324] Zhiyong Sun and Toshiharu Sugie. Identification of Hessian matrix in distributed gradient-based multi-agent coordination control systems. *Numerical Algebra, Control and Optimization*, 9(3):297–318, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019020`.

Jazlan:2019:FIM

[325] Ahmad Jazlan, Umair Zulfiqar, Victor Sreeram, Deepak Kumar, Roberto Togneri, and Hasan Firdaus Mohd Zaki. Frequency interval model reduction of complex fir digital filters. *Numerical Algebra, Control and Optimization*, 9(3):319–326, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019021`.

Nguyen:2019:DOA

[326] Chuong Van Nguyen, Phuong Huu Hoang, and Hyo-Sung Ahn. Distributed optimization algorithms for game of power generation in smart grid. *Numerical Algebra, Control and Optimization*, 9(3):327–348, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019022`.

Adibzadeh:2019:COC

[327] Amir Adibzadeh, Mohsen Zamani, Amir A. Suratgar, and Mohammad B. Menhaj. Constrained optimal consensus in dynamical networks. *Numerical Algebra, Control and Optimiza-*

tion, 9(3):349–360, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019023`.

Achanta:2019:OSP

[328] Hema K. Achanta, Soura Dasgupta, Raghuraman Mudumbai, Weiyu Xu, and Zhi Ding. Optimum sensor placement for localization of a hazardous source under log normal shadowing. *Numerical Algebra, Control and Optimization*, 9(3):361–382, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019024`.

Deistler:2019:SAS

[329] Manfred Deistler. Singular ARMA systems: a structure theory. *Numerical Algebra, Control and Optimization*, 9(3):383–391, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019025`.

Dutta:2019:NSA

[330] Praveen Kumar Gupta and Ajoy Dutta. Numerical solution with analysis of HIV/AIDS dynamics model with effect of fusion and cure rate. *Numerical Algebra, Control and Optimization*, 9(4):393–399, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019038`.

Ahangari:2019:CDS

[331] Fatemeh Ahangari. Conformal deformations of a specific class of Lorentzian manifolds with non-irreducible holonomy representation. *Numerical Algebra, Control and Optimization*, 9(4):401–412, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019039`.

Abidin:2019:OBM

[332] Nurul Hafizah Zainal Abidin, Nor Fadzillah Mohd Mokhtar, and Zanariah Abdul Majid. Onset of Benard–Marangoni instabilities in a double diffusive binary fluid layer with temperature-dependent viscosity. *Numerical Algebra, Control and Optimization*, 9(4):413–421, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019040`.

Najib:2019:SAS

[333] Najwa Najib, Norfifah Bachok, Norihan Md Arifin, and Fadzilah Md Ali. Stability analysis of stagnation point flow in nanofluid over stretching/shrinking sheet with slip effect using Buongiorno's model. *Numerical Algebra, Control and Optimization*, 9(4):423–431, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019041`.

Rabiei:2019:NSV

[334] Faranak Rabiei, Fatin Abd Hamid, Zanariah Abd Majid, and Fudziah Ismail. Numerical solutions of Volterra integro-differential equations using General Linear Method. *Numerical Algebra, Control and Optimization*, 9

(4):433–444, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019042.

Salahuddin:2019:SGM

[335] Salahuddin. System of generalized mixed nonlinear ordered variational inclusions. *Numerical Algebra, Control and Optimization*, 9 (4):445–460, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019026.

Feng:2019:STD

[336] Yang Wang and Yi fu Feng. θ scheme with two dimensional wavelet-like incremental unknowns for a class of porous medium diffusion-type equations. *Numerical Algebra, Control and Optimization*, 9(4):461–481, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019027.

Salkuyeh:2019:PSI

[337] Tahereh Salimi Siahkolaei and Davod Khojasteh Salkuyeh. A preconditioned SSOR iteration method for solving complex symmetric system of linear equations. *Numerical Algebra, Control and Optimization*, 9(4):483–492, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019033.

Alipour:2019:HPA

[338] M. Alipour, M. A. Vali, and A. H. Borzabadi. A hybrid parametrization approach for a class of nonlinear optimal control problems. *Numerical Algebra, Control and Optimization*, 9(4):493–506, ???? 2019. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019037.

Yuan:2020:AIS

[339] Ye Yuan, Yan Ren, Xiaodong Liu, and Jing Wang. Approach to image segmentation based on interval neutrosophic set. *Numerical Algebra, Control and Optimization*, 10(1):1–11, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019028.

Ketabchi:2020:NCS

[340] Fakhrodin Hashemi and Saeed Ketabchi. Numerical comparisons of smoothing functions for optimal correction of an infeasible system of absolute value equations. *Numerical Algebra, Control and Optimization*, 10(1):13–21, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019029.

Wang:2020:NSO

[341] Song Wang. Numerical solution of an obstacle problem with interval coefficients. *Numerical Algebra, Control and Optimization*, 10(1):23–38, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2019030.

Betts:2020:IGS

[342] John T. Betts, Stephen L. Campbell, and Claire Digirolamo. Initial guess sensitivity in computational optimal control problems. *Numerical Algebra, Control and Optimization*, 10(1):39–41, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019031`.

Roy:2020:IIP

[343] Sankar Kumar Roy, Magfura Pervin, and Gerhard Wilhelm Weber. Imperfection with inspection policy and variable demand under trade-credit: a deteriorating inventory model. *Numerical Algebra, Control and Optimization*, 10(1):45–74, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019032`.

Chadli:2020:EIA

[344] Ouayl Chadli, Gayatri Pany, and Ram N. Mohapatra. Existence and iterative approximation method for solving mixed equilibrium problem under generalized monotonicity in Banach spaces. *Numerical Algebra, Control and Optimization*, 10(1):75–92, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019034`.

Treanta:2020:CES

[345] Savin Treanţă. Characterization of efficient solutions for a class of PDE-constrained vector control problems. *Numerical Algebra, Control and Optimization*, 10(1):93–106, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019035`.

Wei:2020:UVQ

[346] Hong-Zhi Wei, Xin Zuo, and Chun-Rong Chen. Unified vector quasiequilibrium problems via improvement sets and nonlinear scalarization with stability analysis. *Numerical Algebra, Control and Optimization*, 10(1):107–125, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019036`.

Sadeghi:2020:RAT

[347] Jafar Sadeghi, Mojtaba Ghiyasi, and Akram Dehnokhalaji. Resource allocation and target setting based on virtual profit improvement. *Numerical Algebra, Control and Optimization*, 10(2):127–142, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019043`.

Kheirabadi:2020:LOC

[348] Akram Kheirabadi, Asadollah Mahmoudzadeh Vaziri, and Sohrab Effati. Linear optimal control of time delay systems via Hermite wavelet. *Numerical Algebra, Control and Optimization*, 10(2):143–156, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019044`.

Sun:2020:QIM

[349] Yu-Feng Sun, Zheng Zeng, and Jie Song. Quasilinear iterative method for the boundary value problem of nonlinear fractional differential equation. *Numerical Algebra, Control and Optimization*, 10(2):157–164, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019045`.

Salahi:2020:QOT

[350] Saeid Ansary Karbasy and Maziar Salahi. Quadratic optimization with two ball constraints. *Numerical Algebra, Control and Optimization*, 10 (2):165–175, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019046`.

Tsachouridis:2020:FAS

[351] Vassilios A. Tsachouridis, Georgios Giantamidis, Stylianos Basagiannis, and Kostas Kouramas. Formal analysis of the Schulz matrix inversion algorithm: a paradigm towards computer aided verification of general matrix flow solvers. *Numerical Algebra, Control and Optimization*, 10(2):177–206, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019047`.

Allali:2020:OCH

[352] Jaouad Danane and Karam Allali. Optimal control of an HIV model with CTL cells and latently infected cells. *Numerical Algebra, Control and Optimization*, 10(2):207–225, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019048`.

Hassan:2020:NTQ

[353] Basim A. Hassan. A new type of quasi-Newton updating formulas based on the new quasi-Newton equation. *Numerical Algebra, Control and Optimization*, 10(2):227–235, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019049`.

Vinodkumar:2020:SIT

[354] K. Aruna Sakthi and A. Vinodkumar. Stabilization on input time-varying delay for linear switched systems with truncated predictor control. *Numerical Algebra, Control and Optimization*, 10(2):237–247, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019050`.

Shipilevsky:2020:CQO

[355] Yuly Shipilevsky. Complex and quaternionic optimization. *Numerical Algebra, Control and Optimization*, 10 (3):249–255, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2019051`.

Asghariniya:2020:RAC

[356] Sedighe Asghariniya, Hamed Zhiani Rezai, and Saeid Mehrabian. Resource allocation: a common set of weights model. *Numerical Algebra, Control and*

Optimization, 10(3):257–273, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020001`.

Ghanem:2020:NSB

[357] Radouen Ghanem and Billel Zireg. Numerical solution of bilateral obstacle optimal control problem, where the controls and the obstacles coincide. *Numerical Algebra, Control and Optimization*, 10(3):275–300, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020002`.

Zare:2020:FQO

[358] Arezu Zare, Mohammad Keyanpour, and Maziar Salahi. On fractional quadratic optimization problem with two quadratic constraints. *Numerical Algebra, Control and Optimization*, 10(3):301–315, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020003`.

Yilmaz:2020:NST

[359] Nurullah Yilmaz and Ahmet Sahiner. On a new smoothing technique for non-smooth, non-convex optimization. *Numerical Algebra, Control and Optimization*, 10(3):317–330, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020004`.

Xiong:2020:OBC

[360] Junlin Xiong and Wenjie Liu. H_∞ observer-based control for large-scale systems with sparse observer communication network. *Numerical Algebra, Control and Optimization*, 10(3):331–343, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020005`.

Li:2020:SMC

[361] Yuan Li, Ruxia Zhang, Yi Zhang, and Bo Yang. Sliding mode control for uncertain T-S fuzzy systems with input and state delays. *Numerical Algebra, Control and Optimization*, 10(3):345–354, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020006`.

Liu:2020:IAT

[362] Zhi Liu and Tie Zhang. An improved ARMA(1, 1) type fuzzy time series applied in predicting disordering. *Numerical Algebra, Control and Optimization*, 10(3):355–366, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020007`.

Liu:2020:FEO

[363] Lei Liu, Shaoying Lu, Cunwu Han, Chao Li, and Zejin Feng. Fault estimation and optimization for uncertain disturbed singularly perturbed systems with time-delay. *Numerical Algebra, Control and Optimization*, 10(3):367–379, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020008`.

Qiao:2020:PCC

[364] Jinglai Qiao, Li Yang, and Jiawei Yao. Passive control for a class of nonlinear systems by using the technique of adding a power integrator. *Numerical Algebra, Control and Optimization*, 10(3):381–389, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020009`.

Meng:2020:BAS

[365] Xin-You Meng, Yu-Qian Wu, and Jie Li. Bifurcation analysis of a Singular Nutrient–plankton–fish model with taxation, protected zone and multiple delays. *Numerical Algebra, Control and Optimization*, 10(3):391–423, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020010`.

Dai:2020:P

[366] Yu-Hong Dai, Yiju Wang, and Naihua Xiu. Preface. *Numerical Algebra, Control and Optimization*, 10(4):i–ii, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020041`.

Tong:2020:NSP

[367] Wanbin Tong, Hongjin He, Chen Ling, and Liqun Qi. A nonmonotone spectral projected gradient method for tensor eigenvalue complementarity problems. *Numerical Algebra, Control and Optimization*, 10(4):425–437, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020042`.

Xu:2020:BCT

[368] Zhuoyi Xu, Yong Xia, and Deren Han. On box-constrained total least squares problem. *Numerical Algebra, Control and Optimization*, 10(4):439–449, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020043`.

Chang:2020:IAG

[369] Xiao-Wen Chang and David Titley-Peloquin. An improved algorithm for generalized least squares estimation. *Numerical Algebra, Control and Optimization*, 10(4):451–461, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020044`.

Hu:2020:CRD

[370] Leyu Hu and Xingju Cai. Convergence of a randomized Douglas–Rachford method for linear system. *Numerical Algebra, Control and Optimization*, 10(4):463–474, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020045`.

Chen:2020:TRA

[371] Yannan Chen and Jingya Chang. A trust region algorithm for computing extreme eigenvalues of tensors. *Numerical Algebra, Control and Optimization*, 10(4):475–485, ???? 2020. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020046.

Gu:2020:ADM

[372] Yan Gu and Nobuo Yamashita. Alternating direction method of multipliers with variable metric indefinite proximal terms for convex optimization. *Numerical Algebra, Control and Optimization*, 10(4):487–510, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020047.

Li:2020:PRP

[373] Chengjin Li. Parameter-related projection-based iterative algorithm for a kind of generalized positive semidefinite least squares problem. *Numerical Algebra, Control and Optimization*, 10(4):511–520, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020048.

Zhou:2020:TSS

[374] Bin Zhou and Hailin Sun. Two-stage stochastic variational inequalities for Cournot–Nash equilibrium with risk-averse players under uncertainty. *Numerical Algebra, Control and Optimization*, 10(4):521–535, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020049.

Xi:2020:SDF

[375] Min Xi, Wenyu Sun, and Jun Chen. Survey of derivative-free optimization. *Numerical Algebra, Control and Optimization*, 10(4):537–555, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020050.

Yang:2020:PGS

[376] Xin Yang, Nan Wang, and Lingling Xu. A parallel Gauss–Seidel method for convex problems with separable structure. *Numerical Algebra, Control and Optimization*, 10(4):557–570, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020051.

Zhang:2020:RPF

[377] Li Zhang, Xiaofeng Zhou, and Min Chen. The research on the properties of Fourier matrix and bent function. *Numerical Algebra, Control and Optimization*, 10(4):571–578, ???? 2020. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020052.

Zhang:2021:FTC

[378] Xuefeng Zhang and Yingbo Zhang. Fault-tolerant control against actuator failures for uncertain singular fractional order systems. *Numerical Algebra, Control and Optimization*, 11(1):1–12, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020011.

Yu:2021:DCP

[379] Peizhao Yu, Guoshan Zhang, and Yi Zhang. Decoupling of cubic poly-

nomial matrix systems. *Numerical Algebra, Control and Optimization*, 11(1):13–26, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020012`.

Bastani:2021:GIM

[380] Mehdi Bastani and Davod Khojasteh Salkuyeh. On the GSOR iteration method for image restoration. *Numerical Algebra, Control and Optimization*, 11(1):27–43, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020013`.

Lee:2021:BBC

[381] M. S. Lee, H. G. Harno, B. S. Goh, and K. H. Lim. On the bang-bang control approach via a component-wise line search strategy for unconstrained optimization. *Numerical Algebra, Control and Optimization*, 11(1):45–61, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020014`.

Guerarra:2021:MMR

[382] Sihem Guerarra. Maximum and minimum ranks and inertias of the Hermitian parts of the least rank solution of the matrix equation $AXB = C$. *Numerical Algebra, Control and Optimization*, 11(1):75–86, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020016`.

Kahya:2021:IWO

[383] Mohammed Abdulrazaq Kahya, Suhaib Abduljabbar Altamir, and Zakariya Yahya Algamal. Improving whale optimization algorithm for feature selection with a time-varying transfer function. *Numerical Algebra, Control and Optimization*, 11(1):87–98, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020017`.

Upadhyaya:2021:DMA

[384] Parikshit Upadhyaya, Elias Jarlebring, and Emanuel H. Rubensson. A density matrix approach to the convergence of the self-consistent field iteration. *Numerical Algebra, Control and Optimization*, 11(1):99–115, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020018`.

Niu:2021:PCM

[385] Hong Niu, Zhijiang Feng, Qijin Xiao, and Yajun Zhang. A PID control method based on optimal control strategy. *Numerical Algebra, Control and Optimization*, 11(1):117–126, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020019`.

Lv:2021:DCU

[386] Hui Lv and Xing'an Wang. Dissipative control for uncertain singular Markovian jump systems via hybrid impulsive control. *Numerical Algebra, Control and Optimization*, 11(1):127–142, ???? 2021. CODEN ???? ISSN 2155-3289 (print),

2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020020.

Putkaradze:2021:NSR

[387] Vakhtang Putkaradze and Stuart Rogers. Numerical simulations of a rolling ball robot actuated by internal point masses. *Numerical Algebra, Control and Optimization*, 11 (2):143–207, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020021.

Rentsen:2021:GNE

[388] Enkhbat Rentsen and Battur Gompil. Generalized Nash equilibrium problem based on Malfatti's problem. *Numerical Algebra, Control and Optimization*, 11(2):209–220, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020022.

Lotfi:2021:ROM

[389] Reza Lotfi, Yahia Zare Mehrjerdi, Mir Saman Pishvaee, Ahmad Sadeghieh, and Gerhard-Wilhelm Weber. A robust optimization model for sustainable and resilient closed-loop supply chain network design considering conditional value at risk. *Numerical Algebra, Control and Optimization*, 11(2):221–253, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020023.

Jahan:2021:DAR

[390] Sohana Jahan. Discriminant analysis of regularized multidimensional scaling. *Numerical Algebra, Control and Optimization*, 11(2):255–267, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020024.

Uzunca:2021:ADG

[391] Murat Uzunca and Ayşe Sarıaydın-Filibelioğlu. Adaptive discontinuous Galerkin finite elements for advective Allen–Cahn equation. *Numerical Algebra, Control and Optimization*, 11(2):269–281, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020025.

Betts:2021:ESO

[392] John T. Betts, Stephen Campbell, and Claire Digirolamo. Examination of solving optimal control problems with delays using GPOPS-II. *Numerical Algebra, Control and Optimization*, 11(2):283–305, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020026.

Glizer:2021:NCE

[393] Valery Y. Glizer. Novel conditions of Euclidean space controllability for singularly perturbed systems with input delay. *Numerical Algebra, Control and Optimization*, 11(2):307–320, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http:

//aimsciences.org/article/doi/10.3934/naco.2020027.

Abdolhosseinzadeh:2021:DET

[394] Mohsen Abdolhosseinzadeh and Mir Mohammad Alipour. Design of experiment for tuning parameters of an ant colony optimization method for the constrained shortest Hamiltonian path problem in the grid networks. *Numerical Algebra, Control and Optimization*, 11(2):321–332, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020028.

Ghelichi:2021:NFA

[395] Mostafa Ghelichi, A. M. Goltabar, H. R. Tavakoli, and A. Karamodin. Neuro-fuzzy active control optimized by tug of war optimization method for seismically excited benchmark highway bridge. *Numerical Algebra, Control and Optimization*, 11(3):333–351, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020029.

He:2021:IAD

[396] Jie-Wen He, Chi-Chon Lei, Chen-Yang Shi, and Seak-Weng Vong. An inexact alternating direction method of multipliers for a kind of nonlinear complementarity problems. *Numerical Algebra, Control and Optimization*, 11(3):353–362, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020030.

Danane:2021:OCV

[397] Jaouad Danane. Optimal control of viral infection model with saturated infection rate. *Numerical Algebra, Control and Optimization*, 11(3):363–375, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020031.

Delladji:2021:BCP

[398] Sarra Delladji, Mohammed Belloufi, and Badreddine Sellami. Behavior of the combination of PRP and HZ methods for unconstrained optimization. *Numerical Algebra, Control and Optimization*, 11(3):377–389, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020032.

Panja:2021:DSS

[399] Prabir Panja, Soovoojeet Jana, and Shyamal kumar Mondal. Dynamics of a stage structure prey–predator model with ratio-dependent functional response and anti-predator behavior of adult prey. *Numerical Algebra, Control and Optimization*, 11(3):391–405, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020033.

Breiten:2021:SDR

[400] Tobias Breiten, Sergey Dolgov, and Martin Stoll. Solving differential Riccati equations: a nonlinear space–time method using tensor trains. *Numerical Algebra, Control and Optimization*, 11(3):407–429, ???? 2021. CO-

DEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020034.

Noor:2021:PHO

[401] Muhammad Aslam Noor and Khalida Inayat Noor. Properties of higher order preinvex functions. *Numerical Algebra, Control and Optimization*, 11(3):431–441, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020035.

Rentsen:2021:AST

[402] Enkhbat Rentsen, N. Tungalag, J. Enkhbayar, O. Battogtokh, and L. Enkhtuvshin. Application of survival theory in mining industry. *Numerical Algebra, Control and Optimization*, 11(3):443–448, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020036.

Shahsavari:2021:PMS

[403] Samira Shahsavari and Saeed Ketabchi. The proximal methods for solving absolute value equation. *Numerical Algebra, Control and Optimization*, 11(3):449–460, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020037.

Ravikumar:2021:ACN

[404] K. Ravikumar, Manil T. Mohan, and A. Anguraj. Approximate controllability of a non-autonomous evolution equation in Banach spaces. *Numerical Algebra, Control and Optimization*, 11(3):461–485, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020038.

Djaidja:2021:CBT

[405] Noui Djaidja and Mostefa Nadir. Comparison between Taylor and perturbed method for Volterra integral equation of the first kind. *Numerical Algebra, Control and Optimization*, 11(4):487–493, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020039.

Hoai:2021:AAS

[406] Nguyen Thi Hoai. Asymptotic approximation to a solution of a singularly perturbed linear-quadratic optimal control problem with second-order linear ordinary differential equation of state variable. *Numerical Algebra, Control and Optimization*, 11(4):495–512, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020040.

Hazzam:2021:PDI

[407] Nadia Hazzam and Zakia Kebbiche. A primal–dual interior point method for $P_*(\kappa)$-HLCP based on a class of parametric kernel functions. *Numerical Algebra, Control and Optimization*, 11(4):513–531, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL http://aimsciences.org/article/doi/10.3934/naco.2020053.

Mehrjerdi:2021:NMS

[408] Yahia Zare Mehrjerdi. A new methodology for solving bi-criterion fractional stochastic programming. *Numerical Algebra, Control and Optimization*, 11(4):533–554, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020054`.

Karite:2021:GRC

[409] Touria Karite and Ali Boutoulout. Global and regional constrained controllability for distributed parabolic linear systems: RHUM approach. *Numerical Algebra, Control and Optimization*, 11(4):555–566, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020055`.

Khudher:2021:IBP

[410] Israa Mohammed Khudher, Yahya Ismail Ibrahim, and Suhaib Abduljabbar Altamir. Individual biometrics pattern based artificial image analysis techniques. *Numerical Algebra, Control and Optimization*, 11(4):567–578, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020056`.

Devarapalli:2021:NHA

[411] Ramesh Devarapalli and Biplab Bhattacharyya. A novel hybrid AGWO-PSO algorithm in mitigation of power network oscillations with STATCOM. *Numerical Algebra, Control and Optimization*, 11(4):579–611, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020057`.

Price:2021:MNM

[412] C. J. Price. A modified Nelder–Mead barrier method for constrained optimization. *Numerical Algebra, Control and Optimization*, 11(4):613–631, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2020058`.

Qasim:2021:SND

[413] Omar Saber Qasim, Ahmed Entesar, and Waleed Al-Hayani. Solving nonlinear differential equations using hybrid method between Lyapunov's artificial small parameter and continuous particle swarm optimization. *Numerical Algebra, Control and Optimization*, 11(4):633–644, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021001`.

Aliane:2021:DMS

[414] Mohamed Aliane, Mohand Bentobache, Nacima Moussouni, and Philippe Marthon. Direct method to solve linear-quadratic optimal control problems. *Numerical Algebra, Control and Optimization*, 11(4):645–663, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021002`.

Sun:2021:AGM

[415] Yanmei Sun and Yakui Huang. An alternate gradient method for optimiza-

tion problems with orthogonality constraints. *Numerical Algebra, Control and Optimization*, 11(4):665–676, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021003`.

Miao:2021:PIN

[416] Hong-Yi Miao and Li Wang. Preconditioned inexact Newton-like method for large nonsymmetric eigenvalue problems. *Numerical Algebra, Control and Optimization*, 11(4):677–685, ???? 2021. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021012`.

Fang:2022:P

[417] Shu-Cherng Fang, Ruey-Lin Sheu, and Tamaki Tanaka. Preface. *Numerical Algebra, Control and Optimization*, 12(1):ĭ2170–ĭ2171, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021058`.

Liao:2022:ARD

[418] Yu-Hsien Liao. Axiomatic results and dynamic processes for two weighted indexes under fuzzy transferable-utility behavior. *Numerical Algebra, Control and Optimization*, 12(1):1–14, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021047`.

Sun:2022:VFM

[419] Hsin-Min Sun and Yu-Juan Sun. Variable fixing method by weighted average for the continuous quadratic knapsack problem. *Numerical Algebra, Control and Optimization*, 12 (1):15–29, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021048`.

Wang:2022:CDR

[420] I-Lin Wang and Chen-Tai Hou. A crowdsourced dynamic repositioning strategy for public bike sharing systems. *Numerical Algebra, Control and Optimization*, 12(1):31–46, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021049`.

Miao:2022:LMM

[421] Xin-He Miao, Kai Yao, Ching-Yu Yang, and Jein-Shan Chen. Levenberg–Marquardt method for absolute value equation associated with second-order cone. *Numerical Algebra, Control and Optimization*, 12(1):47–61, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021050`.

Kim:2022:WCT

[422] Do Sang Kim, Nguyen Ngoc Hai, and Bui Van Dinh. Weak convergence theorems for symmetric generalized hybrid mappings and equilibrium problems. *Numerical Algebra, Control and Optimization*, 12(1):63–78, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021051`.

Hu:2022:MER

[423] Cheng-Feng Hu, Hsiao-Fan Wang, and Tingyang Liu. Measuring efficiency of a recycling production system with imprecise data. *Numerical Algebra, Control and Optimization*, 12(1):79–91, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021052`.

Kerdkaew:2022:GOC

[424] Jutamas Kerdkaew, Rabian Wangkeeree, and Rattanaporn Wangkeeree. Global optimality conditions and duality theorems for robust optimal solutions of optimization problems with data uncertainty, using underestimators. *Numerical Algebra, Control and Optimization*, 12(1):93–107, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021053`.

Zhao:2022:OPS

[425] Lianxia Zhao, Hui Qiao, and Qi An. Optimal pre-sale policy for deteriorating items. *Numerical Algebra, Control and Optimization*, 12(1):109–120, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021054`.

Huang:2022:ODC

[426] Tone-Yau Huang and Tamaki Tanaka. Optimality and duality for complex multi-objective programming. *Numerical Algebra, Control and Optimization*, 12(1):121–134, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021055`.

Jiang:2022:ASS

[427] Canghua Jiang, Dongming Zhang, Chi Yuan, and Kok Ley Teo. An active set solver for constrained H_∞ optimal control problems with state and input constraints. *Numerical Algebra, Control and Optimization*, 12(1):135–157, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021056`.

Lin:2022:DRO

[428] Fengming Lin, Xiaolei Fang, and Zheming Gao. Distributionally Robust Optimization: a review on theory and applications. *Numerical Algebra, Control and Optimization*, 12(1):159–212, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021057`.

Jin:2022:SNS

[429] Zhuo Jin, Ming Qiu, Ky Q. Tran, and George Yin. A survey of numerical solutions for stochastic control problems: Some recent progress. *Numerical Algebra, Control and Optimization*, 12(2):213–253, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2022004`.

Owolabi:2022:NIP

[430] Abd semii Oluwatosin-Enitan Owolabi, Timilehin Opeyemi Alakoya, Adeolu Taiwo, and Oluwatosin Temitope

Mewomo. A new inertial-projection algorithm for approximating common solution of variational inequality and fixed point problems of multivalued mappings. *Numerical Algebra, Control and Optimization*, 12(2):255–278, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021004`.

Azi:2022:OCD

[431] Mourad Azi and Mohand Ouamer Bibi. Optimal control of a dynamical system with intermediate phase constraints and applications in cash management. *Numerical Algebra, Control and Optimization*, 12(2):279–291, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021005`.

Chakravarty:2022:CIA

[432] Jahnabi Chakravarty, Ashiho Athikho, and Manideepa Saha. Convergence of interval AOR method for linear interval equations. *Numerical Algebra, Control and Optimization*, 12 (2):293–308, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021006`.

Swarnakar:2022:DTR

[433] Jaydeep Swarnakar. Discrete-time realization of fractional-order proportional integral controller for a class of fractional-order system. *Numerical Algebra, Control and Optimization*, 12(2):309–320, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021007`.

Abed:2022:APS

[434] Abdulrazzaq T. Abed and Azzam S. Y. Aladool. Applying particle swarm optimization based on Padé approximant to solve ordinary differential equation. *Numerical Algebra, Control and Optimization*, 12(2):321–337, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021008`.

Ge:2022:COS

[435] Zhaoqiang Ge. Controllability and observability of stochastic implicit systems and stochastic GE-evolution operator. *Numerical Algebra, Control and Optimization*, 12(2):339–351, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021009`.

Mahmudov:2022:SOD

[436] Elimhan N. Mahmudov. Second order discrete time-varying and time-invariant linear continuous systems and Kalman type conditions. *Numerical Algebra, Control and Optimization*, 12(2):353–371, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021010`.

Ogwo:2022:MEA

[437] Grace Nnennaya Ogwo, Chinedu Izuchukwu, and Oluwatosin Temitope Mewomo. A modified extragradient algorithm for a certain class of

split pseudo-monotone variational inequality problem. *Numerical Algebra, Control and Optimization*, 12 (2):373–393, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021011`.

Malmir:2022:CFD

[438] Iman Malmir. Caputo fractional derivative operational matrices of Legendre and Chebyshev wavelets in fractional delay optimal control. *Numerical Algebra, Control and Optimization*, 12(2):395–426, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021013`.

Abdulaleem:2022:IDM

[439] Najeeb Abdulaleem. V-E-invexity in E-differentiable multiobjective programming. *Numerical Algebra, Control and Optimization*, 12(2):427–443, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021014`.

Faybusovich:2022:LSP

[440] Leonid Faybusovich and Cunlu Zhou. Long-step path-following algorithm for quantum information theory: Some numerical aspects and applications. *Numerical Algebra, Control and Optimization*, 12(2):445–467, ???? 2022. CODEN ???? ISSN 2155-3289 (print), 2155-3297 (electronic). URL `http://aimsciences.org/article/doi/10.3934/naco.2021017`.