

# A Selected Bibliography of Publications by, and about, Douglas Rayner Hartree

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## Title word cross-reference

(2s)(2p) [HH36a].  $2p^2$  [Ste39].  $4n$  [MM36].  $6 \times 9$  [Gel57]. <sup>+</sup>  
[Har33d, Har34b, Har35c, HH36c, HHM40b, Pra52, Wil40]. <sup>++</sup>  
[HHM40b, HHM40a]. <sup>+++</sup> [HHM40b]. <sup>++++</sup> [HHM40b]. <sup>+13</sup> [Fro57d]. <sup>+2</sup>  
[Har55a, Har60]. <sup>+3</sup> [FH57, Har35c]. <sup>+4</sup> [FH57]. <sup>-</sup>  
[BP54, Har33d, Har35c, HH36b]. <sup>1</sup> [HH36a]. <sup>3</sup> [HH36a]. <sup>4</sup> [MM36]. <sup>5</sup> [MM36].  
<sup>6</sup> [MM36]. <sup>4</sup> [HdLKP34, HdLKP35].  $Ax = \lambda Bx$  [Bee78a].  $\beta$  [Har23a].  
 $\chi(x) = \int_0^\infty \exp(-(x-w^2)^2) dw$  [HJ39].  $yy'' + (2/x)y' - y^2 = 0$  [Har37b].  $q$   
[CD74b].  $\rho$  [CM52].  $S$  [CD74a].  $\sqrt{(1/2)\pi}e^{(1/2)\pi\rho^2} \int_\rho^\infty e^{-(1/2)i\pi\lambda^2} d\lambda$  [CM52].  
 $Z = 1$  [Des73].  $Z = 120$  [Des73].

**-rays** [Har23a]. **-Step** [CD74a].

**17** [Mil45a]. **1924** [Ano22]. **1944** [Mil45a, Mil45b]. **1955** [Mul57]. **1957**  
[Gel57]. **1961** [GY62]. **1971** [Phi79]. **1978** [MS78]. **1993** [BCEP94].

**2004** [CK06]. **2010** [CK14]. **20th** [BW01a]. **235** [Rei74].

**3-butadiene** [Nes55b].

**51** [RB37a].

**60-Year** [Rei74].

**'93** [IEE93, Ano88].

**A.** [Har47a, Van11, WTE<sup>+</sup>85]. **A.E.C.** [Rei74]. **Abiding** [Rei74]. **Above** [WTE<sup>+</sup>85]. **absorption** [HdLKP34, HdLKP35]. **Accelerating** [SAY<sup>+</sup>18]. **Account** [Ros63, Ros88]. **ACE** [AWL<sup>+</sup>88, Har47a]. **across** [Cle53]. **Advisory** [KB58]. **Age** [Rei74, Bow96, WTE<sup>+</sup>85]. **air** [Smi90]. **Aircraft** [Har25b, Van11]. **Al** [Har35c]. **Aleksandrovich** [OR06, VKL75]. **Alfred** [AB74]. **algebraic** [MS78]. **Algebraically** [CD74b]. **Algorithm** [BO98, CD74a, CD74b, Nes65, PY24, PHM16, PS21, UF89, CW81, CWL83, Dav80, HVCY21, Kal80, KBB<sup>+</sup>20, MS93, Sha70]. **Algorithms** [CW85c, CW85a, Cul94a, Cul94b, Cul94c, CZ02, Cul96, CW02, MS78, MRD92]. **Alkali** [Lin24a, Lin24b]. **Alkali-metals** [Lin24a]. **Allies** [AWL<sup>+</sup>88, WTE<sup>+</sup>85]. **Almlöf** [LH17]. **Alphen** [Din53c]. **alternating** [CHPT39]. **Alternative** [Sma01]. **Aluminium** [Har26b]. **Aluminium-like** [Har26b]. **Amazing** [Ano48]. **America** [Mir21]. **analog** [Bow96]. **Analogue** [Sma01]. **Analyse** [Sad89]. **Analysér** [Ano35, Ano39, Har49a, MWBS38, Por36, Ano49, Cra38, Cra47, HP35, Har35b, Har36a, HP38, HN38a, HI38, Har40a, Har40b, Har46a]. **Analysers** [Hol94]. **analyseur** [HP39]. **Analysis** [BW01a, GHF57, Har52b, Har56b, Har58e, BW01b, Bus36, CW84, Har51d, Mai21, B.53, Dav59, Dwy55, Har53a, Jon53]. **Analytical** [Har49i]. **Analyzer** [Owe86, Ros37, Bun90, Bus31, HN38b, HP39, Hol96, Sha41]. **anode** [Har41a, Har42a, Har42b]. **Anti** [Har25b, Van11]. **Anti-Aircraft** [Har25b, Van11]. **Antireductionism** [Mar18]. **Antiréductionnisme** [Mar18]. **any** [Boy50, Har24a]. **Appleton** [Unz66]. **Application** [HP39, May59, Ste39, Har36a, HP38, HI38, Har42b, Har46a, Har52a, Mar17, HP39]. **Applications** [Har26a, Por36, Swi28, Har23c, Har35d, HN38a, HN38b, Har40a, Har40b]. **applied** [Har42a]. **Approach** [Fro77, FBJ97]. **Approximate** [Har34a, Har55a, Har56a, SWTM01, Har23c, HI33, Har37c, Foc30b]. **Approximation** [Gás54, LPLH63, Pra52, Löw55c]. **arbitrary** [WGG20]. **Arduous** [Rei74]. **argon** [HH38b, Har60]. **argument** [Har49g]. **arithmetic** [Har48a]. **Arnoldi** [Cul96, CZ02, PS21]. **assembly** [Tem50]. **Associated** [Ros63, Ros88, HJ48, MRD92]. **Asymptotic** [Din58a, Din58b, Din58c]. **Atom** [Bor27, Har28a, Har28b, Har28c, Har29b, Har29a, Har29d, HI33, HB33, Har29a, Fli28, Fow27a, Fow27b]. **Atomic**

[Bar60, Bla58, Cou58, DHR55, FBj97, Gau28, Gel57, Har32, Har57b, Har58d, How59, Lin24a, Lin24b, May59, Mul57, Rei74, Rid56, RAC<sup>+</sup>29, Swi26, CGD<sup>+</sup>93, DHC<sup>+</sup>91, Fro57a, Fro58, Gra79, Har23d, Har25a, Har25e, Har33d, Har34a, Har34b, HH35a, Har35c, Har47b, Har55b, Har57a, MS36, Tru59].

#### **Atoms**

[Fro77, Hyl63, Wil88, Des73, Har24b, Har24c, Har26b, Har36b, Har56a].

**August** [MS78]. **Auspices** [Mul57]. **Austausch** [Foc30a]. **Austrittsarbeit** [TB32]. **autobiography** [Lin85a, Lin85b, Lin85c]. **Automatic**

[AWL<sup>+</sup>88, Har50a, Har52a, Jon04, May59, WWG54, BS54, Har51b].

**Automatische** [Har51b]. **Award** [Rei74].

**B** [Lin85a, Lin85b, Lin85c, WGG20]. **B-spline** [WGG20]. **Babbage** [Har49i].

**Balancing** [PHM16]. **Ballistic** [Har20a, Har20b]. **band**

[HdLKP34, HdLKP35]. **Based** [Mul57, CW80]. **basic** [Din58a]. **Basis**

[LBV20, WGG20]. **BBC** [Jon04]. **be** [BTSB22, HH35a]. **bearing** [Har35a].

**behaviour** [Din52d, Din53a, Din53b, Fro57a, Fro58, Har42a]. **beneficial**

[BTSB22]. **Bernstein** [WTE<sup>+</sup>85]. **Bertha** [Wil99]. **beryllium**

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[Har24b, Har26b, JH35]. **Beyond** [Mar17]. **Bibliography** [Bee78a]. **billion**

[OJS90]. **binding** [MM36]. **Biography** [Hyr08]. **Björn** [LM03, SL11]. **Block**

[AAW<sup>+</sup>17, CD74a, CD74b, Cul94a, Cul94b, Kny01, LWX24, PY24, PHM16,

SAY<sup>+</sup>18, ZJ23]. **body** [Foc30b, JOK13]. **Bohr** [Har23c, Har26a, Harxxd].

**Book** [Bla58, Bro62, Cro05, Fow27a, Gel57, Goo51, Har53a, Phi63, Harxxg,

HSxx, Harxxi, Harxxj, Harxxk, Harxxl, Harxxm, Harxxn, Harxxo, Harxxp,

Harxxq, Har25b]. **Booker** [Unz66]. **Bootstrapped** [ZJ23]. **Born**

[Fli28, Fow27a, Fow27b]. **Bose** [Din58c]. **boundaries** [Cor33]. **Boundary**

[Har49e, Har49f, Ros63, Ros88, Cle53, CH48a, CH48b, Cra38, Har37c, Ste49].

**Boundary-layer** [Har49f]. **Boys** [Cou73]. **Bragg** [Phi79, Jam58, KB58].

**brain** [Bow96]. **Brian** [GY62]. **brigand** [Smi90]. **Brigands** [Van11].

**Britain** [Cro90, Mai21, MSN16, SG00, Sma01, Sum14]. **British** [Bow96].

**Broadcasts** [Jon04]. **Broken** [AWL<sup>+</sup>88, WTE<sup>+</sup>85]. **BSHF** [WGG20].

**Buifendam** [AWL<sup>+</sup>88]. **Buneman** [MS11, Ano93, Ano98, Bra93, BBP<sup>+</sup>94,

MS11, MS14, MSN16, SLT<sup>+</sup>10, SLG<sup>+</sup>10]. **Bush**

[Har40a, Har40b, Mir21, Owe86, Owe94, Rei74]. **butadiene** [Nes55b].

**C** [AWL<sup>+</sup>88, Harxxb]. **Ca** [HH35a]. **calcium** [HH38a]. **Calculated** [Tha39].

**Calculating** [Ano34, Ano46b, Ano88, AWL<sup>+</sup>88, Cer86, Har46b, Har47c,

Har47h, Har49h, Har50d, Har53c, Har84a, Har84b, Har12, Jon04, WTE<sup>+</sup>85,

WWG54, Har40b, Har46c, Har46e, Har47e, Har47f, Har47g, Har47d, Har49b,

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Goo51, Har51a, K.47, L.47, Mat50, Vaj51]. **Calculation**

[Bar60, Bla58, Cou58, Fel74, Gel57, Har53b, Har57b, How59, May59, Mul57,

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Har47b, May57, SBPH73, Tru59]. **Calculations** [AAW<sup>+</sup>17, Fro57b, Har20a,

Har37a, LBV20, Gra79, Har20b, Har33d, Har34b, HH35a, Har35c, HHM40b, HHM40a, Har42b, Har50c, JOK13, OJS90, SAY<sup>+</sup>18, SSL02]. **Calculator** [AWL<sup>+</sup>88]. **calculators** [Har51b]. **Cambridge** [Har13]. **Can** [BTSB22]. **Capsule** [WTE<sup>+</sup>85]. **carbon** [Juc39]. **Card** [Cer86]. **Career** [Rei74]. **Carolina** [BCEP94]. **Carpenter** [AWL<sup>+</sup>88]. **cascade** [Har39]. **Case** [Cul94a, Cul94b]. **Centenary** [BCEP94]. **Central** [Har28a, Har28b, Har28c, Har29d, WGG20]. **Century** [Fro00, BW01b, BW01a]. **certain** [Har12, Har23b, HW37, Har41a]. **Changes** [Klu53]. **chapter** [HSxx, Harxxi, Harxxj, Harxxk, Harxxl, Harxxm, Harxxn, Harxxo, Harxxp, Harxxq]. **Chapters** [Harxxg]. **Characteristics** [Har53b]. **Charge** [Lom60, Har29b, Har41b, Har42b, Har60, MHP37]. **Charles** [AB74, Har49i, Tho63]. **Charlotte** [Cro05, Hib19]. **Chebyshev** [PY24]. **Chemical** [Cal12]. **Chemist** [Joh12]. **Chemistry** [Bee78c, DF07, GS11b, KW03, Rei05, RW15, RLM<sup>+</sup>16, SG00, Wil88, MS78, Pyy88]. **Chemists** [BI10]. **Cipher** [AWL<sup>+</sup>88, WTE<sup>+</sup>85]. **circuit** [NHP36]. **CI** [BP54, Har33d, HH36b]. **class** [Cle51]. **classic** [Ano22]. **Classifying** [GS11a]. **clearances** [Cor33]. **cluster** [BTSB22]. **Clustered** [LWX24]. **Clustering** [PY24]. **coefficients** [BS54]. **Cognitive** [AWL<sup>+</sup>88]. **colleague** [SL11]. **Collected** [AWL<sup>+</sup>88, Dir03]. **College** [Mul57]. **Collision** [Lew39]. **collisions** [Din52d]. **Commentaries** [AWL<sup>+</sup>88]. **Comments** [Dav80]. **Committee** [KB58]. **Companies** [Rei74]. **Complete** [Hyr08]. **Complex** [CM52, Ing31, Sla29, Har36b]. **compliance** [Sum14]. **composition** [Luz31]. **Compressible** [Har53b, CH48a, CH48b, Ste49]. **Computation** [AWL<sup>+</sup>88, Cer86, BS54]. **Computational** [FBJ97, Wil88, Mar17]. **Computations** [CW85c, CW85a, Med88, CW02, RBM<sup>+</sup>23]. **Computer** [Owe86, Sma01, WTE<sup>+</sup>85, WWG51, Wil85, Ano93, CD55, CD57, Sum14, WWG54]. **Computers** [Gon24]. **Computing** [Cro90, CD74b, CW81, Fro03, GS11a, May59, Nas90, Wil97, CWL83, Har46d, HNW<sup>+</sup>48, Har48b, Har48c, HVCY21, MS86, Mor92, Cro05]. **concerning** [KB58]. **condition** [Har41a, SLT<sup>+</sup>10, SLG<sup>+</sup>10]. **conditions** [Har41b, Har43a]. **Conduction** [CN47]. **Conference** [BCEP94]. **Configuration** [AAW<sup>+</sup>17, LSAS01, Nes55a, HS37, OJS90, SAY<sup>+</sup>18, Sha98, SSL02]. **configuration-interaction** [OJS90]. **configurational** [L6w55b]. **Configurations** [Ste39, HHS39, Ste37]. **Conjugate** [Kny01, CW80]. **consistency** [Mar16]. **Consistent** [Bun90, KS65, LBV20, Sla72, Wil37, Wil40, Wil53, Fro57c, Fro57d, Fro57b, Gra61, Har33d, HH35b, HH36a, HH36b, HH36c, HH38a, HH38b, HHS39, HHM40b, HHM40a, HHM41, HH48, Juc39, May57, Ste37, Swi35, Swi36]. **consisting** [Har29b]. **Constitution** [Har32]. **Construction** [MWBS38, HP35]. **Context** [Owe86]. **Contribution** [Har25b]. **Control** [Mir21, CHP36, HPCS37]. **Controlled** [AWL<sup>+</sup>88]. **Convergence** [PS21, L6w55b]. **converging** [Din58a, Din58b, Din58c]. **Copper** [Wil37, Har26b]. **copper-like** [Har26b]. **Copy** [Har47c]. **core**

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**Distributed** [PY24]. **Distribution** [CHIS39, Har49e, BFH20, Har29b, Har29a, Har42b]. **distributions** [CHPT39]. **Doran** [AWL<sup>+</sup>88]. **Doublet** [Har25c]. **Douglas** [All50, Cro08, DA04, Gel57, Harxxa, Harxxf, Harxxd, Harxxe, Harxxc, Harxxb, Ano46a, Ano52, Dar58, Fro03, GS11a, Hol94, Med88, Swi87, Cro05]. **Dr** [Har25e]. **Dr.** [Rei74]. **draft** [HSxx, Harxxi, Harxxj, Harxxk, Harxxl, Harxxm, Harxxn, Harxxo, Harxxp, Harxxq]. **Durch** [Gás54]. **Dvorak** [WTE<sup>+</sup>85]. **Dynamics** [Lei54].

**E.** [Harxxb, Smi90, WTE<sup>+</sup>85]. **Early** [Cro90, Hyl63, Med88, Owe86, Mai21]. **Earth** [Cle53, HW52]. **Eckert** [Cer86]. **ed** [AWL<sup>+</sup>88]. **Edinburgh** [Mai21]. **Edmund** [Mai21]. **Edn.** [Ano51]. **eds** [AWL<sup>+</sup>88]. **EDSAC** [BBG<sup>+</sup>50, Gil51, Whe50, WWG54]. **effect** [Din53c, HS37, MHP37]. **Effects** [KS65, Löw55a, Sla51a, Wil88, Löw55d, Pyy88]. **eigenpairs** [SF94]. **eigenproblems** [SBFV96]. **eigensolutions** [Ret82]. **Eigensolver** [AAW<sup>+</sup>17, Kny01, SAY<sup>+</sup>18]. **Eigenspace** [CD74b]. **Eigenvalue** [Arb16, Bee78a, Bee78c, CW85c, CW85a, Cul94a, Cul94b, Cul94c, Saa11, Sha78, SV00, SF93, UF89, Arn51, CW85b, Cul96, CW02, Lan50, Mor90, MS93, SSL02, ZJ23]. **Eigenvalues** [Bee78b, BO98, CD74b, Dav93, LWX24, CW81, Dav75, HVCY21, Liu78, MS86, Mor92, MRD92, Sha70, SBPH73]. **Eigenvector** [PS21]. **Eigenvectors** [Bee78b, Dav78, Dav93, Fel74, Dav75, HVCY21, Liu78, MRD92, Sha70, SBPH73]. **eight** [BP54]. **Einstein** [Din58c]. **elaboration** [Mar17]. **electric** [NHP36]. **Electrical** [Ano39, HN38a, HN38b, Har43b]. **electricity** [Har29a]. **electromagnetic** [Har23b, Har29c, Har31b]. **Electron** [Hyl63, Ste39, Wil53, DHC<sup>+</sup>91, Dir29, Fro57c, Har24b, Har42b, Ste37]. **Electronic** [AFS82, Ano46b, Boy50, BP54, BS54, Sma01, WWG51, WWG54, BTBS22, Har26b, Har46c, Har46d, Har50c, Har48c, Nes55b]. **Electrons** [Har31c, CGD<sup>+</sup>93, Din52c, Din52b, Din53a, Din53b, Har29b, Swi36, TB32]. **électrotechnique** [HN38b]. **Elektrizitätsverteilung** [Har29a]. **Elektronen** [TB32]. **element** [Har24a]. **elementary** [cHC48]. **Elements** [KW03]. **Ellipse** [Har37a]. **Elliptic** [Har49e, LWX24]. **emission** [Har42b]. **End** [Fro00]. **Enduring** [Lon16]. **Energies** [Ste39, CGD<sup>+</sup>93, DHC<sup>+</sup>91, MM36]. **Energy** [BR37, Ing31, Pra52, WP57, JH35, JWH28, Tha39]. **Eng** [Ano51]. **Engine** [Har49i]. **Engineering** [Ano39, HN38a, HN38b]. **ENIAC** [Ano46b, Har46c, Har46d, Har48c]. **Enigma** [AWL<sup>+</sup>88, WTE<sup>+</sup>85]. **enthusiasm** [Bow96]. **Entwicklung** [MS11]. **Equation** [Bun40, Har49f, Lei54, Sla51a, Har37c, Har37b, Har58a, Kry31, Luz31, Unz66, Luz31]. **Equations** [Ano34, Bun38, Co048, CN47, Har49e, KS65, Pra52, Bus31,

cHC48, Har29b, Har33c, Har36a, Har37c, HW37, Har38, Har46a, HMN47, Har50b, Har58b, Har58c, Harxxg, Ste37, WGG20]. **Equipment** [Rei74]. **equivalent** [Har31a]. **Erik** [LH17]. **Errata** [Ano88, HdLKP35]. **Erratum** [RB37a]. **error** [Har35d, Din58b]. **Errors** [Har49c]. **estimating** [Har24a]. **étude** [HP39]. **Evaluation** [CN47, BS54, CHPT39, Har46a, Har54, Sha70]. **evidence** [Har25c]. **evolution** [Sha98]. **Exact** [LGGT93, Cle51]. **Exchange** [Fro57b, JH35, KS65, Sla72, Fro57c, Fro57d, HH35b, HH36a, HH36b, HH36c, HH38a, HH38b, HHS39, HHM41, HH48, Har55a, Har58c, Juc39]. **Exchange-Correlation** [Sla72]. **Excited** [Nes55b, Fro57d, HH36a, Lew39]. **existence** [Har41a, JWH28]. **Expansion** [Dav78, Löw60, Liu78]. **expansions** [Din58a, Din58b, Din58c]. **expectation** [Des73]. **Experimental** [Har48a, Ros63, Ros88]. **experiments** [Har23a]. **exponential** [Din58b]. **Extended** [Löw60]. **Extension** [Löw55a, Löw55d]. **extensive** [Mar17]. **externalist** [Mar18]. **externaliste** [Mar18]. **Extrapolating** [PS21]. **extreme** [Ret82, SF94]. **extremely** [RBM<sup>+</sup>23].

**F** [Har35c]. **F.R.S.** [Ano52, Wil58]. **factor** [Har25a]. **Factorization** [JOK13]. **factors** [Din58a, Din58b, Din58c]. **Falkner** [Har37c]. **Fall** [Mir21, WTE<sup>+</sup>85]. **FCI** [OJS90]. **Fe** [Fro57d, WP57]. **February** [CK06]. **Feler** [Bee78b]. **Fermi** [Din58c]. **Festkolloquium** [GGG11]. **few** [Dav75, MRD92, SF94]. **Field** [Fro57b, Har28a, LBV20, Sla72, Wil37, Wil40, Wil53, CHPT39, Foc30a, Fro57c, Fro57d, Har23a, Har28b, Har28c, Har29d, Har31b, Har34a, HH35b, HH36a, HH36b, HH36c, HH38a, HH38b, HHS39, HHM40b, HHM40a, HHM41, HH48, HW52, Juc39, May57, Ste37, Swi35, Swi36]. **Fields** [Bun90, Gau28, Din53a, Din53b, Gra61, Har33d]. **film** [CM49]. **Finding** [Bee78b, SF94]. **fine** [Cor33, HdLKP34, HdLKP35]. **Finite** [LBV20]. **first** [Fro57d, Har50b, Har56a]. **first-order** [Har50b]. **Fischer** [Cro05, Hib19, Joh12, Roo94]. **Fischer-Hjalmars** [Joh12, Roo94]. **Fisher** [Fli28, Fow27a, Fow27b]. **Five** [Jon04, Rei74]. **flat** [Cle53]. **Flow** [Cor33, Har49f, Har53b, Lom60, CH48a, CH48b, EHI<sup>+</sup>46, JSW<sup>+</sup>44]. **Fluid** [Lei54]. **Fluide** [GGG11]. **Fluids** [Ros63, Ros88]. **fly** [RBM<sup>+</sup>23]. **Fock** [LPLH63, BTSB22, Des73, Fro77, Gás54, Har58c, Löw55a, Löw55c, Löw55d, Löw58, Löw60, Löw63, Mar16, Mar17, Mar18, OR06, Pra52, Sla51a, Sla51b, VKL75, WGG20, WP57]. **Fockschen** [Gás54]. **Fok** [Ano74]. **forefathers** [Zan13]. **Foreword** [Har51c]. **Forgotten** [Mir21]. **formula** [Har33b]. **Found** [Pra52, WP57]. **Four** [Bun38]. **Fourth** [Har43b]. **Fowler** [Mil45b, Mil44, Mil45a]. **fraktionaler** [GGG11]. **Framework** [SG00]. **Francis** [Cou73]. **Free** [Har31c]. **French** [HN38b, HP39, Luz31, Mar18]. **frequencies** [Kry31]. **Frequency** [Coo48]. **Fresnel** [Din58b]. **Fritz** [Harxxc]. **Froese** [Cro05, Hib19]. **full** [OJS90]. **Function** [Löw60, Gás54, HI33, Har35d, HJ39, HJ48, TB32]. **functional** [Zan13]. **Functions** [Har58d, Lew39, Pra52, Ste39, WP57, Boy50, BP54, BS54, Din58c, DHR55, Fro57a, FH57, Fro58, Har33d, Har34a, Har34b, HH35a, Har35c, HH38c, Har49g, Har55a, Har55b, Har56a, Har57a, Tha39]. **Fund**

[Mul57]. **Fundamental** [Rei05, RW15]. **Fundamentals**  
[Bro62, Nic62, Ahl63, Beu62, Phi63]. **Further** [Har29d].

**G** [Beu62, Bro62]. **Ga** [HHM40b]. **Galton** [Tho63]. **gamma** [HJ48, Din58c].  
**Gamow** [Har32]. **Gardner** [AWL+88]. **gas** [JH35]. **Ge**  
[HdLKP35, HdLKP34, HHM40a]. **Gebeleins** [GGG11]. **GeCL**  
[HdLKP35, HdLKP34]. **general** [Boy50, BS54, Din52c, Din58a].  
**Generalization** [CD74a, Ste37]. **Generalizations** [Löv58, MS86, Mor92].  
**Generalized** [Bee78a, Bee78c, CKW89, KBB+20, Mor90, SBFV96]. **George**  
[Har32]. **German** [AWL+88, WTE+85, Foc30b, Foc30a, Gás54, Har29a,  
Har51b, MS11, TB32, Uns26]. **giant** [Har46e]. **Given** [Mul57]. **gold**  
[DHR55]. **Gradient** [Kny01, CW80]. **gradually** [Har42a].  
**gradually-applied** [Har42a]. **great** [Har40b, SG00]. **greedy** [HVCY21].  
**Ground** [CGD+93, DHC+91, Fro57d]. **Ground-state** [CGD+93, DHC+91].  
**Group** [Tin64]. **Guide** [WWG54]. **gunnery** [Van11, Har25b].

**Haas** [Din53c]. **Hackers** [WTE+85]. **Hartree**  
[Ano51, Ano52, Ano88, Beu62, Bro62, Cro05, Gás54, Gel57, Hil43, LPLH63,  
RB37a, WTE+85, Wil58, WP57, All50, Ano46a, Ano46b, Arn48, AWL+88,  
B.53, Bar60, BTSB22, BR37, Bla58, Bro47, Bun90, Cer86, Chu53, Cou58,  
Cro08, Dar58, DA04, Dav59, Dwy55, Fli28, Fow27a, Fow27b, Fro77, Fro03,  
Gás54, Gau28, GS11a, Gon24, Goo51, Har51a, Har53a, Harxxa, Harxxf,  
Harxxd, Harxxe, Harxxc, Harxxb, Hol94, How59, Jon53, K.47, L.47, Lew39,  
Löv55a, Löv55c, Löv55d, Löv58, Löv60, Löv63, Mar16, Mar17, Mat50,  
Med88, Mul57, Pra52, RB37b, SLT+10, SLG+10, Sla30, Sla51a, Sla51b, Ste39,  
Swi87, Tru59, Ull52, Unz66, Vaj51, WGG20, Wil84, Zan13]. **Harvard**  
[AWL+88]. **Haverford** [Mul57]. **Having** [Bun38]. **head** [BFH20]. **Heat**  
[CN47, EHI+46, JSW+44]. **Heat-Conduction** [CN47]. **Heavy** [KW03].  
**Helium** [Lew39, CM49, Gau29, HI33, Tem49]. **Her** [Hib19]. **Herbert**  
[GY62]. **Hg** [HH35a]. **High** [AAW+17, BFH20, CD55, CD57]. **high-speed**  
[CD55, CD57]. **highest** [SBPH73]. **Hill** [Van11]. **Historical**  
[BW01a, Har48b]. **History**  
[AWL+88, GS11b, KHFA67, Nas90, Wil97, Sha98]. **Hjalmars** [Joh12, Roo94].  
**Howard** [Mil44, Mil45a, Mil45b]. **Humanist** [Joh12]. **Hume** [Harxxe].  
**Hume-Rothery** [Harxxe]. **Humphrey** [KB58]. **hydrogen** [CF49].  
**Hypergrowth** [WTE+85].

**I/O** [SSL02]. **II**

[FH26, CM49, CD57, Cul94b, Din52d, Din58b, Dir03, Dom49a, Fro58,  
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**III** [Din52a, Din58c, Har28c, HH35a, Harxxg, Lin85c, Löv55d, Löv63, MM36,  
Ste39]. **im** [Har29a]. **Impact** [Ano88, AWL+88, Cer86, Har46b, Har47h,  
Har84a, Har84b, Hib19, L.47, WTE+85]. **implementation** [CW81].  
**Improve** [PS21]. **Improved** [MRD92, Ste39]. **impulse** [NHP36]. **Inaugural**



[Har47h]. **Include** [Löv55a, Löv55d]. **Including** [KS65, HHS39]. **Incompressible** [Ros63, Ros88, Ste49]. **independence** [KBB<sup>+</sup>20]. **industry** [Har40b, WTE<sup>+</sup>85]. **infinite** [Sen52]. **influence** [Din52d]. **Information** [WTE<sup>+</sup>85]. **Inga** [Joh12, Roo94]. **initial** [Whe50]. **Inmos** [AWL<sup>+</sup>88]. **Innovation** [AWL<sup>+</sup>88]. **innovator** [SL11]. **instability** [Har43a]. **Institute** [Ano22]. **Instrumental** [Bus36]. **Instruments** [All50, Ano51, Ano88, AWL<sup>+</sup>88, Cer86, Chu53, Goo51, Har51a, Har49h, Har50d, Har53c, Har84a, Har84b, Har12, Ull52, Vaj51, WTE<sup>+</sup>85, Wil84]. **integral** [Har39, Har54, Lan50]. **integrals** [Din58b, Din58c, Har35d]. **Integration** [Har49c, Har38, Har43b, Har50b, Har58a]. **Intellectual** [Lin85a, Lin85b, Lin85c]. **intensities** [Har28c]. **intensity** [Har25a, WH29]. **Interaction** [AAW<sup>+</sup>17, LSAS01, HS37, Löv55b, MM36, Nes55a, OJS90, SAY<sup>+</sup>18, Sha98, SSL02, Swi36]. **internalist** [Mar18]. **internaliste** [Mar18]. **International** [BCEP94]. **interpolation** [Har55b]. **interpretation** [CW80, FH26]. **interpretations** [Löv55b]. **Interview** [Ano46a].

**Introduction** [DF07, Har56b, Harxxg, Harxxh, Roo94, WWG54, Wil84, Din52c]. **Invention** [Pri10]. **Inventory** [KHFA67]. **investigation** [HB33, JWH28, Sco45]. **ionisation** [Har24a, Har25d, HB33]. **ionised** [FH26, Har25d, Har33b]. **Ionized** [Bun59]. **ionosphere** [HW52]. **ions** [CGD<sup>+</sup>93, DHC<sup>+</sup>91, HH38c, MS36]. **Iteration** [SV00, Arn51, Lan50]. **iterative** [Dav75, Har49d, Liu78, Ret82, SAY<sup>+</sup>18, Sha70, SBPH73]. **itinéraire** [Mar18]. **itinerary** [Mar18]. **IV** [Din52b, Gau29, Har29d, Har35c, HHM41].

**J** [Cer86, Fli28, Fow27a, Fow27b, WTE<sup>+</sup>85]. **J.** [WTE<sup>+</sup>85]. **Jacobi** [LWX24, SBFV96, SV00]. **Jan** [LH17]. **January** [Mil45a]. **Jeffreys** [Wal00, Wil99]. **John** [CK06, Gel57, KB58]. **July** [Mil45a, Phi79]. **June** [CK14].

**K-absorption** [HdLKP35, HdLKP34]. **Kalamboukis** [Dav80]. **Kelvin** [Har43b]. **Kinetic** [BR37]. **Kinetics** [Klu53]. **Kohn** [BTSB22]. **Korteweg** [GGG11]. **Kozaczuk** [WTE<sup>+</sup>85, AWL<sup>+</sup>88]. **Krylov** [Luz31]. **Kvantovaya** [Dir03].

**Laboratory** [AWL<sup>+</sup>88, Mai21]. **Labs** [WTE<sup>+</sup>85]. **Lady** [Gon24, Wal00]. **lag** [CHP36, HPCS37]. **Laminar** [Har49e, Har49f, Ros63, Ros88, CH48a, CH48b]. **L'analyseur** [HN38b]. **Lanczos** [BCEP94, CD74a, CD74b, CW80, CW81, CWL83, CW84, CW85c, CW85a, CW85b, CKW89, Cul94a, Cul94b, Cul94c, Cul96, CW02, CZ02, MS93, ZJ23]. **Landau** [Din53c]. **Large** [Arb16, AWL<sup>+</sup>88, CD74b, CW85c, CW85a, Cul94a, Cul94b, Cul94c, Dav78, Fel74, Nes65, Saa11, SF93, UF89, CW81, CWL83, CW84, CW85b, CW02, Dav75, Din52c, Din52d, Fro57a, Fro58, Har47d, Har49g, JOK13, Liu78,

Mor92, MRD92, RBM<sup>+</sup>23, Ret82, Sha70, SBPH73, SSL02, SF94, ZJ23].  
**large-dimension** [ZJ23]. **Large-Scale** [AWL<sup>+</sup>88, JOK13, SSL02]. **Largest**  
 [CD74b]. **Lattice** [JWH28]. **Lawrence** [Phi79, Jam58]. **Layer**  
 [Har49e, CH48a, CH48b, Cra38, Har37c, Har49f]. **Layers**  
 [Ros63, Ros88, Ste49]. **Lecture** [Arb16, Har47h, Har43b]. **Lectures**  
 [Mul57, Har47a]. **Legacy** [Lon16]. **Letter** [Jam58]. **letters** [Smi90]. **Level**  
 [LWX24]. **Levels** [Pra52, WP57]. **Levy** [WTE<sup>+</sup>85]. **Li** [MM36]. **Libkrylov**  
 [RBM<sup>+</sup>23]. **Library** [BBG<sup>+</sup>50, RBM<sup>+</sup>23]. **Life** [Cro05, Fro03]. **light** [MM36].  
**ligne** [HP39]. **like** [Har24b, Har24c, Har26b]. **limit** [OJS90]. **limitation**  
 [Har41b]. **limiting** [Fro57a, Fro58]. **Lindsay** [Lin85a, Lin85b, Lin85c]. **line**  
 [HP38, HP39]. **Linear** [Bun38, SV00, Har58a, Lan50, NHP36]. **liquid**  
 [CM49, Tem49]. **Literature** [AWL<sup>+</sup>88]. **lithium** [Har24c, Har24b].  
**lithium-like** [Har24c, Har24b]. **Liu** [PHM16]. **localized** [HVCY21]. **Locally**  
 [Kny01]. **logarithmic** [HJ48]. **Logic** [Pri10]. **London** [Harxxc]. **long**  
 [Har56a, HW52]. **Lösung** [Foc30b]. **Lovelace** [Gon24]. **low** [HS37]. **lowest**  
 [Dav75, Liu78, MRD92, SBPH73]. **lowest-lying** [Liu78]. **lying** [Liu78].

**M** [Ahl63, AWL<sup>+</sup>88, Beu62, Bro62, Fli28, Har47a, Phi63]. **M.A** [Ano52].  
**Machine** [Ano34, AWL<sup>+</sup>88, WTE<sup>+</sup>85, WWG54, Bus31, Har40b, Har46c,  
 Har46d, Har46e, Har48c, Ano46b]. **Machinery** [AWL<sup>+</sup>88]. **Machines**  
 [Ano48, Ano51, Ano88, AWL<sup>+</sup>88, Bro47, Cer86, Har46b, Har47c, Har47h,  
 Har49h, Har50d, Har53c, Har84a, Har84b, Har12, Jon04, L.47, Mat50, Pri10,  
 WTE<sup>+</sup>85, Bun90, Har47e, Har47f, Har47g, Har47d, HNW<sup>+</sup>48, Har48b,  
 Har49b, Har50a, Har52a, AWL<sup>+</sup>88, Ull52, WTE<sup>+</sup>85, Wil84, All50, Arn48,  
 Cer86, Chu53, Goo51, Har51a, K.47, Vaj51]. **Magnetic**  
 [Din52e, RB37a, RB37b, Sla51a, Din52c, Din52d, Din52b, Din53a,  
 Din53b, Din53c, Har23a, Har31b, HW52, Din53a, Din53b]. **magnetron**  
 [Har41a, Har41b, Har42b]. **magnetrons** [Har42a, Har43a]. **Making**  
 [CNT92, CMH<sup>+</sup>13]. **Man** [Ano48]. **Management** [Owe94]. **Manchester**  
 [Ano35]. **manganese** [Har25d]. **Manual** [AWL<sup>+</sup>88]. **many**  
 [Dir29, Foc30b, Har29b, JOK13, Löw55b, Löw55c, Löw55d]. **many-body**  
 [Foc30b, JOK13]. **many-particle** [Löw55b, Löw55c, Löw55d]. **March**  
 [Phi79]. **Marshaled** [Rei74]. **Masani** [AWL<sup>+</sup>88]. **Massachusetts** [Ano22].  
**material** [Kry31]. **Mathematical** [Ano88, AWL<sup>+</sup>88, Cer86, Har46b, Har47h,  
 Har84a, Har84b, JS46, JS56, JS99, KB58, L.47, Mai21, Sha41, SG00,  
 WTE<sup>+</sup>85, Harxxa, Harxxf, Harxxd, Harxxe, Harxxc, Harxxb, Bro62].  
**mathematician** [DA04]. **Mathematics**  
 [Ahl63, Beu62, Bro62, Nic62, Phi63, Leh66]. **Matrices**  
 [CD74b, Dav78, Dav93, Fel74, LSAS01, Nes65, CW81, CWL83, CW84, Dav75,  
 Liu78, Löw55b, MS86, Mor92, MRD92, Ret82, Sha70, SBPH73]. **Matrix**  
 [Cul94a, Cul94b, Cul94c, Löw63, Sha78, SWTM01, Arn51, Cul96, Dav89,  
 HVCY21, RBM<sup>+</sup>23, SF94]. **matters** [Kry31]. **Maurice** [CK14]. **Maverick**  
 [AWL<sup>+</sup>88]. **Max** [Fow27a, Fow27b]. **Maxwell** [Lon16]. **May** [Har13].  
**MCHF** [FBJ97]. **McLean** [AWL<sup>+</sup>88]. **Meaning** [Gon24]. **means** [Löw55b].

**Meccano** [Ano49]. **Mechanical** [Har43b, Hol94, Foc30b, HW37, Har38].  
**Mechanics**  
 [Bor27, Fli28, Fow27a, Fow27b, Har28a, Har31c, Har33a, Harxxh, HSxx, Harxxi, Harxxj, Harxxk, Harxxl, Harxxm, Harxxn, Harxxo, Harxxp, Harxxq, Hyl63, Med88, Swi28, Tin64, Dir29, Har28b, Har28c, Har29d, Har35a, Tem49, Tem50].  
**Mechanized** [Leh66]. **Media** [Bun59, Cle53]. **medium**  
 [Har29c, Har31a, Har31b, Har33b]. **Mehrkörperprobleme** [Foc30b].  
**member** [KB58]. **Members** [Ano52]. **Memoirs** [Wil85]. **Memories**  
 [WTE+85]. **Mentor** [SL11]. **mercury** [Har34a, May57]. **Mesh** [KBB+20].  
**Metallen** [TB32]. **metallic** [Sen52]. **Metals** [Din52e, Lin24b, Din52c, Din52d, Din52a, Din52b, Din53a, Din53b, Din53c, Lin24a, TB32]. **Method**  
 [Bee78b, CN47, Fro77, JWH28, Kny01, LWX24, Löw55a, SWTM01, Sla30, Sla51b, SV00, SF93, Ste39, WP57, Boy50, Cle51, CPS94, Foc30b, Har33c, HW37, Har42b, Har50b, Har58a, Lan50, Liu78, Löw55b, Luz31, Mar16, Mar17, MS86, Mor90, Mor92, Ret82, Swi36]. **méthode** [Luz31, Sad89].  
**Methoden** [MS11]. **Methods**  
 [BI10, Bro62, Cer86, Co048, Dav78, Har28a, Har53b, JS46, JS56, JS99, LSAS01, LGGT93, Saa11, Wil88, Dav89, Har24a, HMN47, MS11, MS78, SBFV96].  
**Microelectronics** [AWL+88]. **Milan** [MS14]. **Milestones**  
 [CNT92, CMH+13]. **Milne** [Smi90]. **Mind** [AWL+88]. **minimized** [Arn51].  
**Minister** [Rei74]. **Mirrors** [Van11]. **mistakes** [Gil51]. **Mn** [Har55a].  
**mobiles** [HP39]. **modal** [CW84]. **Model**  
 [BR37, RB37a, RB37b, Dom49a, HP35]. **Models** [Lin24a, Lin24b]. **Modern**  
 [Cal12, CNT92, CMH+13, Har49b, Mar18]. **moderne** [Mar18].  
**Modification** [Sha70, SWTM01]. **modular** [RBM+23]. **Molecular**  
 [Rei05, RW15, Boy50, CF49]. **molecule** [CF49]. **Molecules** [Wil88, JH35].  
**Moments** [RB37a, RB37b]. **Monograph** [Har49a]. **Monographs** [GHF57].  
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**V** [Van11, Din53a, Din53b, HHM41]. **Values** [CM52, CWL83, Des73, Har28c, Tha39]. **valve** [Cra38, Har50c]. **valves** [CHIS39]. **Vannevar** [Rei74, Mir21, Owe86, Owe94]. **Variable** [JSW+44, EHI+46]. **Variation** [Har58d, Har57a, Löw63]. **variational** [BP54].



**various** [HB33]. **Vector** [HCM36, BS54]. **vector-coupling** [BS54]. **vectors** [CWL83]. **velocities** [BFH20]. **versus** [Cul96]. **vertical** [HW52]. **very** [CW81, CW84, CW85b, SBPH73]. **VI** [Din53c]. **Vincent** [CK14]. **Visions** [Sum14]. **visited** [SLG<sup>+</sup>10]. **Vladimir** [Ano74, Mar18, OR06, VKL75]. **Volume** [CW85c, CW85a, Wil88]. **Vries** [GGG11].

**W** [Cer86, Fli28, Fow27a, Fow27b, WTE<sup>+</sup>85]. **W.** [WTE<sup>+</sup>85]. **War** [AWL<sup>+</sup>88, Mir21, Van11, WTE<sup>+</sup>85, Owe94]. **Wartime** [Rei74]. **Was** [AWL<sup>+</sup>88, WTE<sup>+</sup>85, KB58]. **water** [Cor33]. **Wave** [Bun40, FH57, Har28a, Har31c, HH38c, Har58d, Harxxh, Lew39, Löw60, Pra52, WP57, Boy50, BP54, BS54, DHR55, Fro57a, Fro58, Har28b, Har28c, Har29d, Har31a, HI33, Har33d, Har34a, Har34b, HH35a, Har35c, Har55a, Har55b, Har56a, Har57a, Tha39]. **waves** [Har23b, Har29c, Har31b, HP39, HW52]. **Wellen** [GGG11]. **Wheeler** [CK06]. **where** [HW52]. **whether** [Har25c]. **which** [Kry31]. **Whittaker** [Mai21]. **Who** [Rei74]. **Wiener** [AWL<sup>+</sup>88]. **Wiley** [Gel57]. **Wilkes** [CK14]. **William** [Hil43, Mul57, Harxxe, Phi79]. **wireless** [HW52]. **Within** [LBV20]. **without** [HP39, Kal80]. **Work** [Bro47, Hib19, Rei74, Har35a, TB32]. **working** [Harxxf]. **Works** [AWL<sup>+</sup>88, Dir03]. **workshop** [MS78]. **World** [AWL<sup>+</sup>88, CNT92, CMH<sup>+</sup>13, Owe94, WTE<sup>+</sup>85, Van11]. **Worthy** [AWL<sup>+</sup>88].

**X** [Tha39, Har23d, Har25a, JWH28, WH29]. **X-ray** [Tha39, JWH28]. **X-rays** [Har23d, Har25a, WH29]. **XXXIV** [CF49].

**Year** [Rei74]. **Years** [Rei74, MSN16]. **York** [Gel57].

**zelluläre** [GGG11]. **Zero** [WTE<sup>+</sup>85, JWH28]. **zero-point** [JWH28]. **Zn** [HHM40b]. **zur** [Foc30b].

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**Hartree:19xx:MBCh**

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**Hartree:19xx:MBCi**

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**K:1947:RCM**

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**Kalamboukis:1980:DAP**

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**Kelley:2020:MIG**

- [KBB<sup>+</sup>20] C. T. Kelley, J. Bernholc, E. L. Briggs, Steven Hamilton, Lin Lin, and Chao Yang. Mesh independence of the generalized Davidson algorithm. *Journal of Computational Physics*, 409(??):Article 109322, May 15, 2020. CODEN JCTPAH. ISSN 0021-9991 (print), 1090-2716 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0021999120300966>.

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176 pp. LCCN QC174.1 .S66. URL <http://www.amphilsoc.org/guides/ahqp/>; <http://www.amphilsoc.org/guides/ahqp/st.htm#schrodinger>. Short section only:

HARTREE, D. R. b. 1897, Cambridge, England; d. 1958, Cambridge, England.

1916, U. Cambridge.

1916–19, Military Service.

1919–29, U. Cambridge: 1924–29, Research Fellow; 1926, Ph.D. with R. H. Fowler; 1928–29, Demonstrator.

1928–29, U. Copenhagen.

1929–46, U. Manchester, Prof.

Interviews

One unrecorded interview with Elaine Hartree, D. R. Hartree's widow. 3 pp. notes.

Letters to

GOUDSMIT: 5 Mar 24 (60,2).

LINDSAY: 20 Oct 35, 3 letters 1936–39, (66,4).

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