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Title word cross-reference

(2s)(2p) [HH36a]. $2p^2$ [Ste39]. $4n$ [MM36]. 6×9 [Gel57]. $^+$
[Har33d, Har34b, Har35c, HH36c, HHM40b, Pra52, Wil40]. $^{++}$
[HHM40b, HHM40a]. $^{+++}$ [HHM40b]. $^{++++}$ [HHM40b]. $^{+13}$ [Fro57d]. $^{+2}$
[Har55a, Har60]. $^{+3}$ [FH57, Har35c]. $^{+4}$ [FH57]. $-$
[BP54, Har33d, Har35c, HH36b]. 1 [HH36a]. 3 [HH36a]. 4 [MM36]. 5 [MM36].
 6 [MM36]. 4 [HdLKP34, HdLKP35]. $Ax = \lambda Bx$ [Bee78a]. β [Har23a].
 $\chi(x) = \int_0^\infty \exp(-(x-w^2)^2) dw$ [HJ39]. $jy'' + (2/x)y' - y^2 = 0$ [Har37b]. q
[CD74b]. ρ [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⁺⁸⁵]. **A.E.C.** [Rei74]. **Abiding** [Rei74]. **Above** [WTE⁺⁸⁵]. **absorption** [HdLKP34, HdLKP35]. **Accelerating** [SAY⁺¹⁸]. **Account** [Ros63, Ros88]. **ACE** [AWL⁺⁸⁸, Har47a]. **across** [Cle53]. **Advisory** [KB58]. **Age** [Rei74, Bow96, WTE⁺⁸⁵]. **air** [Smi90]. **Aircraft** [Har25b, Van11]. **AI** [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⁺²⁰, MS93, Sha70]. **Algorithms** [CW85c, CW85a, Cul94a, Cul94b, Cul94c, CZ02, Cul96, CW02, MS78, MRD92]. **Alkali** [Lin24a, Lin24b]. **Alkali-metals** [Lin24a]. **Allies** [AWL⁺⁸⁸, WTE⁺⁸⁵]. **Almlöf** [LH17]. **Alphen** [Din53c]. **alternating** [CHPT39]. **Alternative** [Sma01]. **Aluminium** [Har26b]. **Aluminium-like** [Har26b]. **Amazing** [Ano48]. **America** [Mir21]. **analog** [Bow96]. **Analogue** [Sma01]. **Analyse** [Sad89]. **Analyser** [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⁺29, Swi26, CGD⁺93, DHC⁺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, KL25]. **August** [MS78]. **Auspices** [Mul57]. **Austausch** [Foc30a]. **Austrittsarbit** [TB32]. **autobiography** [Lin85a, Lin85b, Lin85c]. **Automatic** [AWL⁺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⁺85]. **Bertha** [Wil99]. **beryllium** [HH35b, HH36a]. **Besprechung** [Ull52]. **Bessel** [Har49g]. **between** [Har24b, Har26b, JH35]. **Beyond** [Mar17]. **Bibliography** [Bee78a]. **billion** [OJS90]. **binding** [MM36]. **Biography** [Hyr08]. **Björn** [LM03, SL11]. **Block** [AAW⁺17, CD74a, CD74b, Cul94a, Cul94b, Kny01, LWX24, PY24, PHM16, SAY⁺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⁺88, WTE⁺85]. **BSHF** [WGG20]. **Buifendam** [AWL⁺88]. **Buneman** [MS11, Ano93, Ano98, Bra93, BBP⁺94, MS11, MS14, MSN16, SLT⁺10, SLG⁺10]. **Bush** [Har40a, Har40b, Mir21, Owe86, Owe94, Rei74]. **butadiene** [Nes55b].

C [AWL⁺88, Harxxb]. **Ca** [HH35a]. **calcium** [HH38a]. **Calculated** [Tha39]. **Calculating** [Ano34, Ano46b, Ano88, AWL⁺88, Cer86, Har46b, Har47c, Har47h, Har49h, Har50d, Har53c, Har84a, Har84b, Har12, Jon04, WTE⁺85, WWG54, Har40b, Har46c, Har46e, Har47e, Har47f, Har47g, Har47d, Har49b, Har50a, Har52a, Ret82, Ull52, Wil84, All50, Ano51, Arn48, Bro47, Chu53, Goo51, Har51a, K.47, L.47, Mat50, Vaj51]. **Calculation** [Bar60, Bla58, Cou58, Fel74, Gel57, Har53b, Har57b, How59, May59, Mul57, Ste39, Boy50, BP54, Dav75, EHI⁺46, HdLKP34, HdLKP35, HI38, Har42a, Har47b, May57, SBPH73, Tru59]. **Calculations** [AAW⁺17, Fro57b, Har20a,

Har37a, LBV20, Gra79, Har20b, Har33d, Har34b, HH35a, Har35c, HHM40b, HHM40a, Har42b, Har50c, JOK13, OJS90, SAY⁺18, SSL02]. **Calculator** [AWL⁺88]. **calculators** [Har51b]. **Cambridge** [Har13]. **Can** [BTSB22]. **Capsule** [WTE⁺85]. **carbon** [Juc39]. **Card** [Cer86]. **Career** [Rei74]. **Carolina** [BCEP94]. **Carpenter** [AWL⁺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⁺16, SG00, Wil88, MS78, Pyy88]. **Chemists** [BI10]. **Cipher** [AWL⁺88, WTE⁺85]. **circuit** [NHP36]. **Cl** [BP54, Har33d, HH36b]. **class** [Cle51]. **classic** [Ano22]. **Classifying** [GS11a]. **clearances** [Cor33]. **cluster** [BTSB22]. **Clustered** [LWX24]. **Clustering** [PY24]. **coefficients** [BS54]. **Cognitive** [AWL⁺88]. **colleague** [SL11]. **Collected** [AWL⁺88, Dir03]. **College** [Mul57]. **Collision** [Lew39]. **collisions** [Din52d]. **Commentaries** [AWL⁺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⁺88, Cer86, BS54]. **Computational** [FBJ97, Wil88, Mar17]. **Computations** [CW85c, CW85a, Med88, CW02, RBM⁺23]. **Computer** [Owe86, Sma01, WTE⁺85, WWG51, Wil85, Ano93, CD55, CD57, Sum14, WWG54]. **Computers** [Gon24]. **Computing** [Cro90, CD74b, CW81, Fro03, GS11a, May59, Nas90, Wil97, CWL83, Har46d, HNW⁺48, Har48b, Har48c, HVCY21, MS86, Mor92, Cro05]. **concerning** [KB58]. **condition** [Har41a, SLT⁺10, SLG⁺10]. **conditions** [Har41b, Har43a]. **Conduction** [CN47]. **Conference** [BCEP94]. **Configuration** [AAW⁺17, LSAS01, Nes55a, HS37, OJS90, SAY⁺18, Sha98, SSL02]. **configuration-interaction** [OJS90]. **configurational** [Löw55b]. **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⁺88]. **Convergence** [PS21, Löw55b]. **converging** [Din58a, Din58b, Din58c]. **Copper** [Wil37, Har26b]. **copper-like** [Har26b]. **Copy** [Har47c]. **core**

[Har25c, Har60]. **Cores** [Swi26]. **Cornelius** [BCEP94]. **Corporation** [WTE⁺85]. **correct** [Mar16]. **correction** [Har23a]. **corrections** [Din53c, Kal80]. **Correlated** [Ste49]. **Correlation** [KS65, Löw55a, Sla72, CGD⁺93, DHC⁺91, Löw55d]. **Correspondence** [KB58, Harxxa, Harxxd, Harxxe, Harxxc, Harxxb]. **Corresponding** [CD74b, Dav75, Liu78, SBPH73]. **cosine** [Din58b]. **cosmic** [Har39]. **Cosmopolitan** [MS14]. **costs** [SSL02]. **Coulomb** [Har28a, Har28b, Har28c, Har29d]. **Coulson** [AB74]. **Counterproductive** [Owe94]. **coupled** [BTSB22]. **coupling** [BS54]. **Cray** [Bun90]. **creation** [Smi90]. **criterion** [Har43a]. **Cross** [Lew39]. **Cross-sections** [Lew39]. **crystal** [CD55, CD57]. **crystals** [Har23d, Har25a]. **Cs** [Har34b]. **Cu** [Har33d, HH36c, Pra52, Wil40]. **current** [Har29b, Har42b, MHP37]. **Currents** [Bun59]. **Cylinder** [Har49e]. **cylindrical** [CHIS39, Din53a, Din53b, Har41a, Har41b, Har42a].

D [Ano46b, Ano51, Arn48, B.53, Bar60, Beu62, Bla58, Bro62, Bro47, Cer86, Chu53, Cou58, Dav59, Dwy55, Fli28, Fow27a, Fow27b, Goo51, Har51a, Har53a, How59, Jon53, K.47, L.47, Mat50, Mul57, Tru59, Ull52, Vaj51, Wil58, Mar18]. **D.** [WTE⁺85, Wil84]. **Darwin** [Tho63]. **David** [CK06]. **Davidson** [BO98, CPS94, Dav80, Kal80, KBB⁺20, LWX24, MS86, Mor90, Mor92, PY24, PHM16, Sad89, SWTM01, SBFV96, SV00, SF93, SF94, UF89]. **Davidson-Type** [BO98]. **Dawson** [Din58b]. **Dead** [Rei74]. **decades** [Mar17]. **December** [BCEP94, CK06]. **defect** [Har25e]. **defence** [Smi90]. **Defiance** [Sum14]. **deflection** [Har23a]. **degenerate** [Löw55d]. **Degrees** [WTE⁺85]. **d'énergie** [HP39]. **densities** [Har60]. **Density** [Löw63, Löw55b, Zan13]. **Depend** [Ano48]. **derivation** [Unz66]. **derivative** [HJ48]. **derived** [Har43a]. **Description** [Ros63, Ros88]. **determinant** [BTSB22]. **determination** [CD55, CD57, Har42b]. **determined** [Kry31]. **Developing** [SG00]. **Development** [AWL⁺88, Ros63, Ros88, Mai21, MS11, Owe94]. **Developments** [Ano88, AWL⁺88, BW01a, Cer86, Har46b, Har47h, Har84a, Har84b, L.47, WTE⁺85, Har47e, Har47f, Har47g, Har47d, Bro47, Mat50]. **diagnosis** [Gil51]. **Diagonalization** [LSAS01, LGGT93, Nes65]. **Diamagnetic** [Din52a]. **diamagnetism** [Din53c]. **diatomic** [JH35, KL25]. **Dictionary** [Hyr08]. **dielectric** [CHPT39]. **Dies** [Ano74, Ano93]. **difference** [KL25]. **Differensialanalysatoren** [Ros37]. **different** [Cle53, Har24b, Har26b]. **Differential** [Ano35, Ano39, Bun38, CN47, Har49a, Hol94, Lei54, MWBS38, Owe86, Por36, Ros37, Ano49, Bun90, Bus31, Cra38, Cra47, Har33c, HP35, Har35b, Har36a, HW37, HP38, HN38a, HN38b, Har38, HI38, HP39, Har40a, Har40b, Har46a, Har50b, Har58b, Harxxg, Lan50, Sha41]. **differentiel** [HN38b, HP39]. **difficulties** [Mar17]. **Diffraction** [JWH28, Sen52, Cle51, Har54]. **Diffusion** [AWL⁺88, GGG11, Har58a]. **Digital** [AWL⁺88, Gon24, WWG51, WWG54, CD55, CD57, Har47d, Har48b]. **Dilemma** [Löw63]. **dimension** [ZJ23]. **dimensional**

[AFS82, Cle51, Dom49a, Tem50]. **dipol** [BP35a]. **Dirac** [Des73, Din58c, Har29b]. **direct** [CD55, CD57]. **Discussion** [LPLH63, RAC⁺29, Har28b, HNW⁺48]. **disk** [Sco45]. **disorder** [Dom49b, Dom49a]. **dispersion** [Har33b]. **Disputes** [Gon24]. **Dissipation** [Bun59]. **distorsion** [HP39]. **distortion** [HP39]. **distortionless** [HP38]. **Distributed** [PY24]. **Distribution** [CHIS39, Har49e, BFH20, Har29b, Har29a, Har42b]. **distributions** [CHPT39]. **Doran** [AWL⁺88]. **Doublet** [Har25c]. **Douglas** [All50, Cro08, DA04, Gel57, Harxxa, Harxxf, Harxxd, Harxxe, Harxxc, Harxxb, Ano46a, Ano52, Boo86, 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⁺85]. **Dynamics** [Lei54].

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the radius of first Bohr orbit of hydrogen), *charge* (e , the electron charge), and *mass* (m , electron mass). From these are derived the *unit of action* ($h/(2\pi)$), the *unit of energy* (e^2/a , twice the ionization energy of hydrogen), and the *unit of time* ($1/(4\pi cR)$). The value R is the Rydberg constant. Atomic units have since been in wide use in quantum science, to avoid dependence of calculations on physical constants whose accuracy improves over time, but some are still known only to a few decimal digits.

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from Bertha Jeffreys, Lady Jeffreys, to A. E. B. Owen, 5 December 1986, forwarding a letter from Prof. L. Howarth of Bristol, confirming that the papers were likely to be those of Hartree, and citing his publications on these experiments., 1937.

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Hartree:1947:CCM

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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.

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