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Title word cross-reference

$ [Cou11]. $(a + b)^p$ [Jam14e]. $(a + b)^p + (a - b)^p$ [Jam14e]. $(a, b, b + 1)$ [HJ19]. $1/x$ [Geo10]. **$12-95** [Rua12]. **$129.00** [Sch14]. **$14.95** [LP10]. **$14.99** [Lev12c]. 15 [Lor12i]. **$16.95** [Tol15c]. **$16.99** [Tol15f]. **$18.99** [Mac14d]. **$19** [Lor17g]. **$19.95** [Ban14b]. **$19.99** [Tol19f]. **$195** [Cou14]. 1:2 [Nic14b]. **$23.99** [Hal11c, Hud10a]. **$24** [Lev14e]. **$24.95** [Lev10f, Tol17g]. **$26** [Lev14p]. **$26.99** [Tol17e]. **$27** [Lor18f]. **$27-00** [Lev14h]. **$27-95** [Gri14b]. **$27.95** [Lev14n, Tol17i]. **$29** [Gri10b, Hud10c]. **$29.95** [Hun13d]. **$29.99** [Tol17b]. $2 < e < 3$ [Lor11m]. $2^{67} - 1$ [Shi15d]. 3 [CP10, Had19, Rot10d, dVS18]. **$30.00** [Jac19, Mac18]. **$32** [Lor11g]. **$32.00** [Tol15d]. **$35.00** [And13b]. **$36.39** [Shi16b]. **$39** [Lev10e]. **$39.00** [Shi10i]. **$39.20** [Hun17d]. **$39.95** [Lor17e]. 3×3 [Bea17a, Lor15f]. 4 [Rot10d]. **$42.00** [Hun14a]. **$45.00** [Cou10, Mac16c]. **$49-00** [Gib10b]. **$49.00** [Ban10a, Hun13c]. **$49.95** [Tol17f]. 5 [Lor12i]. **$50** [Lev11d, Lor18e]. **$56.00** [Shi17a]. **$59** [App11]. **$59-00** [Hud11a]. **$59.95** [Lev13g, Yeo16].

$60 [De 14b]. 60 [Lor12i]. **$68.95** [Lev14k]. **$69.95** [Lea10]. $6n \pm 1$ [Lor14l]. **$70** [Had19]. **$70.50** [Shi18b]. **$75.00** [Eat12]. **$79-00** [For12]. **$79.95** [Lev12a]. **$94.95** [App10a]. **$97.50** [App10b]. $[x]$ [Orm14]. ^{2} [LRQ10]. a [AT12]. $A + B + C = \pi$ [Sub18b]. $A/(x + B) + C/(x + D)$ [Cel17]. **$A115** [Lev17e]. a^a [AT12]. $a^n = b^n + c^n$ [Lor15b]. $\arctan(x)$ [Den10]. $aX^2 + bXY + cY^2 = dZ^2$ [Pla14]. b [Coo19]. $\left(\begin{array}{c} n+1 \\ 2 \end{array} \right)$ [DeM10]. $\cdot$ [KK10]. $\csc 2x = \cot x - \cot 2x$ [Cha15]. $\deg(0) = -\infty$ [Haj17e]. e [Bro12a, Mac10d]. $e < 2$ [Shi14a]. $e < 3$ [You13]. $e^{1/M}$ [Ton16]. $e^x \geq 1 + x$ [Lor17c]. $\exp(-x^2)$ [Che18]. F [All18, MW18, Pla16]. $f(x)/x$ [MW18]. $\Gamma^2(1/2)$ [MGC13a]. $I(\alpha) = \int_0^\infty 1/(1 + x^\alpha)^2\, dx$ [Mur12]. $int_0^1 1/(1 + x^2)\, dx = \pi/4$ [You11b]. $\int_0^\infty 1/(1 + x^2)\, dx = \pi/2$ [You11a]. $\int_0^\infty \frac{\sin x}{/} x\, dx$ [Lor16e]. $\int_0^\infty \sin(x)/x\, dx$ [Sik18]. $\int_0^\infty |\sin^a(x) + \cos^b(x)|/x^p\, dx$ [Mur11c]. $\int_0^\pi \log(2 \sin u) du$ [Mer19]. $\int \csc x\, dx$ [JO14]. k [ES11, PdVF14]. $\lim_{m\to\infty} \sum_{k=0}^m \left(\frac{k}{m}\right)^m$ [Lor16a]. $\ln 2 < 1\sqrt{2}$ [Lor14k]. $\log x$ [OJN16]. $\mathbf{Z}\sqrt{[10]}$ [Sim19]. $m \times (m + 1)$ [EM16]. $n!$ [Lor17b]. N [PdVF14, Ber18, Lor17b, Ste19a]. $n(x + y + z) = xyz$ [Dol16a]. $n = 3$ [Bar17]. n^2 [DeM10]. p [Hun14b, Sch11]. $p/\sin\theta + q/\cos\theta = 1$ [Sta18]. $p > 1$ [Nil13]. $\phi(m) = k!$ [Shi13b, Sur14]. π [Hir11e, Lev12f, Lip13, Lor12a, Lor19a, Lor19e, Mac10d, MGC13a, NL16, Osl10a, Osl11b, Osl12b, SS12, Shi14a, You12, Zor11]. $\pi \ln k$ [Pla11a]. $\prod_{n=2}^\infty \zeta(n)$ [Ökt15]. $py^2 = x^4 + x$ [Dol13a, ZF10]. $\mathrm{Si}(x)$ [JLM15]. $\sigma(n) = k!$ [Shi13b]. $\sin^2 A + \sin^2 B + \sin^2 C = 4 \sin A \sin B \sin C$ [Sub18b]. $\sin^n x/x^m$ [Tra10]. $\mathrm{SL}(2, p)$ [Suc11]. $\sqrt(x)$, $\sqrt[3]{3}$ [Hir11h]. $\sqrt{2}$ [Lor15l, Lor17h, MGC13b, Raj18, Ste12b]. $\sqrt{2\pi}$ [Lor15c]. $\sqrt{abcd}$ [Lor12g]. $\sqrt{d}$ [Yan14]. $\sqrt{N}$ [Lor18a]. $\sum_1^n r(r + 1)$ [Lor14i]. $\sum_1^n r^2$ [Lor14i]. $\sum_{k=1}^\infty 1/k^2 = \pi^2/6$ [Lor16f]. $\sum_{n=1}^\infty 1/n^2$ [JL13]. $\sum_{n=1}^\infty 1/n^p$ [Nil13]. $T_1 + T_2 + \cdots + T_n = \left(\begin{array}{c} n+2 \\ 3 \end{array} \right)$ [Sub15a]. $\times$ [Har10a]. $x^2 + ry^2 = z^2$ [Rea19]. $x^2 + z^2$ [Dol17a]. $\zeta(2)$ [Shi16a, Sik18]. $\zeta(2) = \pi^2/6$ [Jam13c]. $\zeta(2n)$ [Lor14c]. $\zeta(3)$ [Hir11d, Jam14f]. $\zeta(n)$ [Jam14d]. $|x|$ [Orm14].

-adic [Hun14b, Sch11]. **-D** [dVS18]. **-dimensional** [CP10]. **-folds** [Rot10d, Rot10d]. **-gonal** [ES11]. **-gons** [Lor12i]. **-mean** [Pla16]. **-ratio** [All18]. **-Spinout** [Coo19].

. [Jon19].

0-521-61999-8 [Lev10c]. **0-691-13576-2** [Mac10b]. **0-906588-67-7** [Hal10b]. **0-907669-46-8** [Kil10]. **0-9516701-8-2** [Rot10a].

1 [BL12]. **1-56881-234-5** [Mah10b]. **100.C** [Ret17]. **100.I** [Bea18a]. **1000** [Yeo17a, Yeo17a]. **101.F** [Gib19a]. **117-00** [Shi11d]. **13-978-1-4020-8886-5** [Sch10]. **1439-7382** [App14b]. **15-00** [Hun10b]. **15th** [Lor16d]. **17** [Gri14a].

18th [FR02]. **19-99** [Hal10b]. **1908-2008** [M+08]. **1997** [Sch14]. **1997-2011** [Sch14]. **19th** [GG10a, Cra07, FR02]. **1st** [Fre15].

2010 [Lev12d]. **2011** [Lev14l, Sch14]. **2012** [Hun16, Lev14m]. **2013** [Lev15b]. **2013.ISBN** [Lev14e]. **2014** [Ano14a]. **2015** [Ano14f, Ano15d, Lev17g]. **2016** [How16, Mac17, Lev18d, Tol15g]. **2017** [Gol17]. **2019** [Ano18f, Ano19c, Aul19, How19]. **2020** [Ano19d]. **2025** [Sto14c]. **20th** [Lev15a]. **21st** [Ano12d, Aul19, Rou13a]. **22-50** [De 11b]. **23-99** [Hal10b]. **24th** [Kum11]. **2nd** [Bay11a, Cou17b, Gib17a, Gri11d, Hal11c, Hud11a, Hun17d, Jon19, Lor14e, Shi10i, Shi10g, Sut10].

3-folds [Cor07]. **31st** [Aul19]. **387** [App10b]. **3D** [De 13]. **3rd** [Bay14a, Gib11c, Gri17d, Mun12, Shi15c, Shi16b, Tol16c].

4 [Cri15a, Sut10]. **4-folds** [Cor07]. **44-99** [Hai10]. **4th** [Gri14e, Lor10e, Mac10c].

5 [Mac13b]. **5-99** [Hal10a]. **50** [Lev10a, War10a]. **55th** [Ano14a]. **56-00** [Mah10b].

6 [Pea11, Hal13]. **61614-423-4** [Lev14h].

70-99 [Mun12].

8-99 [Bay10a, Wil10].

9 [Gri14b]. **9-789813-2026-10** [Lor18d]. **9-789814-651639** [Lor17f]. **90-50** [Gri14e]. **90th** [Sut11, GDDR08]. **977-1-84724-008-8** [Lev10a]. **978-0-00-743808-2** [Hal13]. **978-0-00-747601-5** [Hal14]. **978-0-128-04153-6** [Hun18a]. **978-0-12804-317-2** [Tol18b]. **978-0-12814-759-7** [Hun19a]. **978-0-14-103023-4** [Lor10e]. **978-0-19-280722-9** [Wil10]. **978-0-19-531076-4** [Lev12a]. **978-0-19-536790-4** [War10b]. **978-0-19-856599-4** [Cou10]. **978-0-19-857061-5** [Rot10d]. **978-0-19-870259-7** [Rua17]. **978-0-19-875335-3** [Gib17b]. **978-0-19-875523-4** [Hop18b]. **978-0-19-879492-9** [Lor18f]. **978-0-19-880454-3** [Gib18b, McB18]. **978-0-19-911779-6** [Dav10]. **978-0-19-911780-2** [Rot10b]. **978-0-19-911781-9** [Gol10]. **978-0-19-911782-6** [Hal10c]. **978-0-19-913430-4** [Gri11d]. **978-0-19-921291-0** [Cou12]. **978-0-19-921986-5** [And10a, And10b]. **978-0-19-922730-3** [Shi10e, Shi10f]. **978-0-19-923769-2** [War11a]. **978-0-19-928201-2** [Mac10c]. **978-0-19-953987-1** [De 11b]. **978-0-19-953988-8** [De 11b]. **978-0-19-956207-7** [Haw11]. **978-0-19-956307-4** [Shi10g]. **978-0-19-956684-6** [And13c]. **978-0-19-957400-1** [Sch13].

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978-1-56881-710-1 [War13b, War13c]. **978-1-56881-714-9** [Mac13b].
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978-1-84668-198-1 [Gri14f]. **978-1-84668-1998** [Bay14d].
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978-3-31929-044-7 [Bay17c]. **978-3-31978-630-8** [Shi19c].

978-3-527-40758-8 [Mac10a]. **978-3-540-70996-1** [Lev12b]. **978-3-642-01372-0** [Hoa11]. **978-3-642-03544-9** [Lor13d]. **978-3-642-04832-6** [War12a]. **978-3-642-05091-6** [Lev11a]. **978-3-642-11671-1** [Gib12a]. **978-3-642-13605-4** [GG12c]. **978-3-642-14033-4** [Eat13]. **978-3-642-21146-1** [Hun14b]. **978-3-642-22103-3** [Ban14a]. **978-3-642-22463-8** [Tol14c]. **978-3-642-22464-5** [Tol14c]. **978-3-642-22557-4** [Lev13g]. **978-3-642-23791-1** [Shi14d]. **978-3-642-23847-5** [Gri14d]. **978-3-642-38895-8** [Cou15, Cou17a]. **978-3-642-39448-5** [Hun16]. **978-3-642-54074-5** [Sch16c]. **978-3-7643-7538-6** [De 10b]. **978-3-7643-8332-9** [De 10a]. **978-4-431-55841-5** [Fox17]. **978-81-322-1598-1** [Shi15a]. **978-88-12-00015-9** [GG10b]. **978-88385-577-5** [Lev14k]. **978-9-481474-043-2** [Lev17d]. **978-9-81314-364-7** [Yeo18c]. **978-9-81314-623-5** [Shi17a]. **978-9-81314-634-1** [Hal17d]. **978-9-81314-754-6** [Tol17a]. **978-9-81314-802-4** [App18]. **978-9-81314-884-0** [Gri18c]. **978-9-81320-311-2** [Lev17i]. **978-9-814-72581-1** [Mac17]. **978-9-81429-149-1** [Hop18a]. **978-9-81466-746-3** [Lev17f]. **978-9-81469-645-6** [Yeo17b]. **978-9-81472-572-9** [Hoa18a]. **978-9-814723-375-5** [Gib17c]. **978-9-81473-003-7** [Yeo17c]. **978-93-80250-17-5** [Cou14]. **978-981-3222-92-2** [Gri18e]. **978-98128-3541-3** [Hal17c]. **9780-691-13994-4** [Hud13b]. **981-04-2759-X** [Lev11d]. **987-0-19-958848-0** [Bay14c]. **987-1-84837-902-2** [Lev13h]. **987-9814-68909-0** [Hun17a].

= [CF15, Den14].

A* [Sto12b, SD10]. **A-level** [Lor11i, Nic08a, Tol14d]. **A.** [Dou13]. **A4** [Lor17h]. **A4-sized** [Lor17h]. **Aassila** [Yeo17a]. **Åstrom** [Mac10b]. **Abbott** [Lev10d, War11b]. **Abel** [Hoa11, Hun16, HP10b]. **ability** [Hal17d]. **above** [Yeo17c]. **Abstract** [FGR14, Gri14e, Nic12a, Shi15b]. **abused** [SC13, Lev13f]. **Academic** [Hun18a, Hun19a, Tol18b, BEU12, Tol14c]. **Academies** [Rou13a, Sto14c]. **Accelerating** [Mur11a]. **acceleration** [Jew10, LN17, Lor15k, Sim11c]. **Acheson** [Gib18b, McB18]. **Acknowledgements** [Ano11a, Ano12a, Ano14b, Ano18a, Ano19a]. **across** [And13a, Cri10, Swe12]. **activities** [BCSS19, Leu18]. **Aczel** [Tol17h]. **ad** [Sco18c]. **Adam** [For11]. **Adams** [Hal11c, Hud10a, Lor11g, War13a]. **add** [Hop16]. **addendum** [Raj18]. **addition** [Gau19]. **Additional** [HHHS14, Hal15a, Hal15b]. **additive** [Hop13]. **address** [Gol17]. **Adhikari** [Shi15a]. **adic** [Hun14b, Sch11]. **Adler** [Mac15c]. **Adrian** [Lev13e]. **Advanced** [Duf11, Raj13, Ric08a, Bay14a, Fyf11, JM09a, JM09b, Kra12, Lev12a, Tol13, App10b, Bay17a, Mac14b, Mun12]. **adventure** [McB18]. **Adventures** [Rop18, Gla19, Lev18b, Mic09, Gri11c]. **affect** [Min12]. **affirmative** [Dol12a]. **Africa** [Cri17a]. **after** [PdVF14]. **Afzal** [Sto10b].

again [Sco17a]. **Agency** [Cou14]. **ages** [Swe12, And13a]. **Agnes** [For12]. **Agnijo** [Haw18c]. **agony** [Wil08]. **Ahmed** [Sto10b]. **air** [Lor19d]. **AK** [Lev10e, Shi14e]. **Akemann** [Sch13]. **Akiyama** [Fox17]. **al** [Hal17c]. **Alain** [Mac19]. **Alan** [Bev17, Fre10a, Yeo17c, Ano14p, AF12, How16, Shi14b]. **Albers** [Hud11a]. **Alberti** [WMW10, Gib12b]. **Alberto** [Lev14n]. **Alcock** [Fos14b, Sto14a]. **Alessandro** [Tol19a]. **Alessio** [Rot10d]. **Alex** [Hun14a, Lev12a]. **Alexander** [And13d, Bay11a, De 11b, Gib11b, Lor11h, Shi18b]. **Alexanderson** [Hud11a]. **Alexandre** [Sto12c]. **Alfred** [Hal17d, Lev14e, Lev14h, Lev14p, Lev17h, Tol18e]. **Algebra** [FGR14, HF04, AA13, ADLM18, Ano13m, Ban16, Dav12, FH05, Gri14e, Hoa15b, KP14, Kem11, Mac13d, Mac16a, Mah10b, MP11, Nic12a, Pat17, Qua12a, Ran18, Rou16, San15, Shi15a, Shi15b, Ten08, Tol15e, Rib18, Gri10b, Lor10d, Lor13d, Lor16c, Shi18a, Tol19c, Bay17b]. **algebraic** [Cam18, JJ13b, Pla12]. **algebras** [Hun17b, Kan09a, Lor10c]. **algèbre** [Yeo17a]. **Algorithm** [LP16, OW14, OJN16]. **Algorithmic** [LL11, Gri14c]. **Algorithms** [Orm14, Abe16, BC13, Gri14b, Hir11h, Mac12a, Cou15, Cou17a]. **Alice** [De 10a, Gla19]. **aliens** [Adl14, Mac15c]. **alignment** [Nic12b]. **Allen** [Rua10]. **Almanac** [War12b]. **almost** [Ben12a]. **alphabets** [Lew14]. **also** [Bay17a, Bay17c, Dav18, Gib17c, Hai17a, Hai17b, Hun16, Hun17b, Hun17c, Mac17, Sch16b, Sch16c, Shi15c, Shi15a, Shi16b, Tol17h, Tol18b, Tol18e, Tol19a, Tol19f]. **Alteration** [Nur13]. **alternating** [Coo11a, GB12, Mur11a, Nur13, Nur14a, Pla18]. **alternation** [HK14]. **alternative** [Cer16, Dou13, Kan17, Lor18b, Ste17f]. **altitude** [Jos16a]. **altitudes** [ASHH18]. **AM** [BS12a, Shi11a]. **ambitious** [Kör14, Tol15a]. **America** [Bay10c, Eat11, Lev14k, Tol18c]. **American** [Gib19b, Gri11e, Gri11b, Gri12f, Hun14a, Hun17d, Lev11b, Lor11g, Lor11f, Lor14f, Sto12c]. **Amir** [Gib11b, Tol17h]. **Amol** [Lev17d]. **amongst** [Gri18b]. **Amrein** [App10a]. **AMS** [Tol18c]. **AMS/Mathematical** [Tol18c]. **Amy** [Bay17b, Eat11]. **analogues** [Ste18a]. **analyse** [Yeo17a]. **Analysis** [Gar13, App11, App12, App14a, Bay14b, For12, KS14, Lor14e, Mac09, MD10, ML13, Rib19, Ric08a, Shi19c, Sta11, VV09, Yeo17d, App10b, Bay15a, Bay19a, Cou17b, Hun17a, Lor18d, Rou16, Shi10c, Shi10d, Tol16c]. **Anamorphoscopes** [SNH11]. **Anany** [Gri14c]. **ancient** [Dav17, Gib14a, Gra13, Lan12, Lev14b, Mac13e, Rei14, WW13, YM11, Rua13]. **Andreas** [De 10a]. **Andreescu** [Lea10]. **Andrew** [Mac15b, Mor19, Rou14, Shi14b, Tol13, Tsa18]. **Andrews** [Sto14b]. **Angelo** [GG12c, Tol19a]. **angle** [BCL10, Chi17, CR14, Job18b, Kos16, Leu17, Shi11c, WO11]. **angle-bisector** [CR14]. **angled** [Leu12a, Osl11a]. **angles** [Nic14b, O'L10, Sub15b]. **Annette** [Dav17]. **annotated** [Abb08, Lev10d]. **annular** [Che16a]. **Answering** [Ano06]. **anthology** [War12c]. **Anthony** [Shi15b, Tol15d]. **Anthropologic** [BC15]. **antiquity** [Hoa15b, KP14]. **Antonio** [Rou16]. **anxieties** [Pas11b]. **any** [CO11, Koo11]. **anywhere** [Jam13b]. **AP** [Sco18d]. **Apéry** [Mel13].

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[ADLM18, Cul11].

B [Bay17b, Gri10b, Lor16c, Lor18e, Rua13, Rua14c]. **Bach** [And17]. **Back** [Ano10h, Ano10j, Ano10l, Ano11g, Ano11i, Ano11k, Ano12g, Ano12i, Ano12k, Ano13f, Ano13h, Ano13j, Ano14g, Ano14i, Ano14k, Ano15e, Ano15g, Ano15i, Ano16c, Ano17f, Ano17g, Ano17i, Ano17k, Ano18g, Ano18i, Ano18k, Ano19f, Ano19h, Ano19j, AW07, Sto10b]. **backbone** [Bay10b, Gri08]. **background** [Shi18b]. **backward** [McC15]. **Badger** [dV14]. **Baggott** [And13c]. **Baik** [Sch13]. **bake** [Hem19]. **Balaji** [Cou14]. **Balkan** [Yeo16]. **Ball** [Gib19c, Wap12, Hol17]. **ballet** [And13b, Ben12b]. **Balls** [Sim11a]. **Baltimore** [De 14b]. **Banach** [Lor10c, Kan09a]. **Banchof** [War11b]. **Banchoff** [Hun13c]. **Banerjee** [Haw18c]. **Barbara** [Shi10d]. **Barbeau** [Haw18a]. **Barel** [Hun10a]. **Barnabas** [Cri17a]. **Barnaby** [Lee17]. **Barnard** [Tol19b]. **Barnes** [Lev11a]. **Bartocci** [GG12c]. **barycentre** [Abe19]. **based** [And17, Hos17b, McG13, Rza10]. **Basel** [De 10a, Lor14c, Pat13b, Rib19]. **Basic** [AA13, Dav18, Haw18c, Hoa19, Jac19, Lev10d, Lev10f, Lev11c, Lev13f, Lev14c, Lev14d, Lor18f, Mac14d, Mac18, Tol10, Tol15f, Tol17b, Tol17e, Tol19f, Zet13, Hal11c, Shi15a, Tol17a]. **basics** [Shi18b]. **Bataille** [Lor15i]. **Battista** [Gib12b, WMW10]. **Bauer** [Tol18f]. **Bayesian** [Mar16]. **be** [CT14, De 10a, HHPM07, Hop12, Osl12a, Shi18c, Shi19d, Sim11a]. **Beardon** [Ano14p]. **Beatty** [Gri18b]. **Beautiful** [MJ14, Lev14a]. **beauty** [And19, Ban14a, Fre15, Gri13d, Her11, LG10, Pas11b, Sen12]. **Becheanu** [Yeo16]. **Before** [BT09, War10b]. **beginner** [Hoa18a]. **beginners** [RJPG12, R$^+$12]. **behave** [Di 13]. **behaviour** [LY11]. **behind** [Bev13, RT11]. **being** [Tay07]. **Belcastro** [For10b, For13]. **Bello** [Tol15d]. **belong** [Fra19a]. **bend** [Kuc12]. **Benford** [Zor11]. **Benjamin** [Hud13a, Lev13a, Lev14i, Shi15b, Pas08, Hoa10]. **Benson** [And13b, Lev10c]. **Bent** [Lor11g, Ada09b]. **Bercovici** [Bay17c]. **Berger** [Lev12b]. **Berggren** [Cri17a]. **Bergmann** [Tol14c]. **Bernoulli** [Jam19b, Vîj19]. **Berry** [Hal14]. **Besicovitch** [Shi10b]. **best** [Cri12b, Lev12d, Lev14l, Lev14m, Lev15b, Lev17g, Lev18d, Pit11, Pit12, PM13, Pit14]. **better** [AW07, Sto10b]. **Betti** [GG12c]. **between** [Bau13, Eul15, ES16, Jam19a, Koo11, Lor11j, Rea10b, Shi13d, Ste17a, Sub19]. **Bevan** [Jon19]. **Beyond** [FMS10, Jam18c, Lor14c, Gib19c, Lev17h]. **Bezuszka** [Gri17d]. **bicentric** [Jos15]. **Bidgood** [Hal11a]. **big** [FF19, Lev11f]. **bigger** [HK14]. **Biggs** [Gib17b]. **bilateral** [WO13]. **Bill** [Ano17b]. **Bin** [Yeo17b]. **Binomial** [Lor10b, Lor11e, Lor13c, Den10, GB12, HP10a, Kos11, Rob10, Rob10]. **biographies** [Ram09]. **biological** [Cou13, Sma12]. **Biology** [Cou13]. **birds** [JJ17]. **Birgit** [Tol14c]. **Birkhauser** [De 14c, Hai17b, Jac14, Rou16, De 10b, Gib12b, Rua13, Sch14, Sch16b, Tol14a, De 10a]. **birth** [Ano17b, GV17, Ric08b]. **birthday** [GDDR08, HB16, Sut11]. **bisect** [Jos17e]. **bisect-diagonal** [Jos17e]. **Bisecting** [Osl16]. **bisector** [CR14]. **black** [Sim18]. **Blackjack** [Wer09, Hai10]. **Block** [War10b]. **Blocks** [McL18].

Bloomsbury [Gib19c, Gri17c, Lev13b, Sto14b]. **blunder** [Smy10]. **Blythe** [Pat17]. **body** [Sto17a]. **Bogdan** [Yeo16]. **Bombelli** [Tra13]. **Bóna** [Gri18c]. **Bondi** [Cla18]. **Book** [And10a, And10b, And11, And13c, And13a, And13b, And13d, And19, App10b, App10a, App11, App14b, App14a, App18, Ban10a, Ban10c, Ban10b, Ban13, Ban14b, Ban14a, Bay10c, Bay10b, Bay10a, Bay11b, Bay11a, Bay12, Bay14a, Bay14b, Bay14c, Bay14d, Bay15b, Bay15a, Bay17b, Bay17a, Bay17c, Bay17d, Bay19b, Bay19a, Bev13, Bev14, Bev17, Cam18, Cou10, Cou11, Cou12, Cou13, Cou14, Cou15, Cou17a, Cou17b, Cou18, Cou19, Cri13, Cri15b, Cri15a, Cri17a, Dav10, Dav15, Dav17, Dav18, De 10b, De 10a, De 11b, De 14c, De 14b, De 17, Eat11, Eat12, Eat13, For10a, For10b, For11, For12, For13, Fos14b, Fox15, Fox17, Fre10a, Fre10b, Fre15, Gib10a, Gib10c, Gib10b, Gib11b, Gib11c, Gib11a, Gib12b, Gib12a, Gib13b, Gib13a, Gib14b, Gib14c, Gib17a, Gib17c, Gib17b]. **Book** [Gib18a, Gib18b, Gib19b, Gib19c, Gol10, GG10a, GG12c, Gri10b, Gri11d, Gri11e, Gri11b, Gri11c, Gri12f, Gri13a, Gri13b, Gri13d, Gri13c, Gri13f, Gri14f, Gri14a, Gri14e, Gri14b, Gri14c, Gri14d, Gri17c, Gri17d, Gri18d, Gri18e, Gri18c, Had19, Hai10, Hai12, Hai13, Hai15, Hai17a, Hai17b, Hal10c, Hal10a, Hal10b, Hal11b, Hal11c, Hal11a, Hal12b, Hal13, Hal14, Hal15a, Hal15b, Hal16, Hal17a, Hal17b, Hal17c, Hal17d, Hal19, Haw11, Haw12, Haw18b, Haw18a, Haw18c, Hem19, Hoa10, Hoa11, Hoa12, Hoa13a, Hoa14a, Hoa14b, Hoa15a, Hoa15b, Hoa17a, Hoa18a, Hoa19, Hop18a, Hop18b, Hop19, Hor17, Hud10c, Hud10b, Hud10a, Hud11a, Hud11b, Hud13a, Hud13b, Hun10b, Hun10a, Hun12b, Hun12a, Hun13d, Hun13c, Hun13b, Hun13a, Hun14b, Hun14a, Hun15, Hun16, Hun17a, Hun17b, Hun17c]. **Book** [Hun17d, Hun17e, Hun18b, Hun18a, Hun18c, Hun19b, Hun19a, Hun17f, Jac14, Jac19, Jon19, Kee18, Kil10, LP10, Lea10, Lee17, Lev10d, Lev10f, Lev10e, Lev10a, Lev10b, Lev10c, Lev11b, Lev11d, Lev11a, Lev11e, Lev11c, Lev11f, Lev12a, Lev12d, Lev12b, Lev12c, Lev13e, Lev13c, Lev13b, Lev13h, Lev13a, Lev13g, Lev13f, Lev13d, Lev14e, Lev14i, Lev14n, Lev14o, Lev14k, Lev14l, Lev14j, Lev14c, Lev14h, Lev14p, Lev14b, Lev14m, Lev14a, Lev14d, Lev14f, Lev14g, Lev15b, Lev15a, Lev17g, Lev17h, Lev17a, Lev17b, Lev17c, Lev17e, Lev17d, Lev17f, Lev17i, Lev18d, Lev18c, Lev18b, Lev19b, Lor10e, Lor10d, Lor10c, Lor11g, Lor11h, Lor11f, Lor11i, Lor13d, Lor14f, Lor14e, Lor14d, Lor15g, Lor15i, Lor15h, Lor16c, Lor16b, Lor17g, Lor17e, Lor17f, Lor18f, Lor18d, Lor18e, Mac10b]. **Book** [Mac10c, Mac10a, Mac11b, Mac12b, Mac13e, Mac13a, Mac13c, Mac13b, Mac13d, Mac14b, Mac14c, Mac14d, Mac14a, Mac15a, Mac15b, Mac15c, Mac19, Mac16a, Mac16b, Mac16c, Mac17, Mac18, Mah10b, McB18, Meg12, Mor19, Mun12, Nai12, Pas14, Pas18, Pat17, Rot10c, Rot10d, Rot10b, Rot10a, Rou13a, Rou14, Rou16, Row19, Rua10, Rua11, Rua12, Rua13, Rua14c, Rua14a, Rua14b, Rua17, Sch10, Sch13, Sch14, Sch16b, Sch16c, Shi10e, Shi10f, Shi10c, Shi10i, Shi10g, Shi10d, Shi10h, Shi11e, Shi11d, Shi12c, Shi13c, Shi14d, Shi14b, Shi14c, Shi14e, Shi15c, Shi15a, Shi15b, Shi16b, Shi17a, Shi17b, Shi18b, Shi18a, Shi19c, Sto10b, Sto10a, Sto12c, Sto12b, Sto12a, Sto14a, Sto14b, Sto14c, Sto17b, Sto17a, Sut10, Sut11, Ten12,

Tin17, Tol10, Tol13, Tol14b, Tol14a, Tol14c, Tol15b, Tol15e, Tol15c]. **Book** [Tol15g, Tol15a, Tol15d, Tol15f, Tol16a, Tol16d, Tol16c, Tol16b, Tol16e, Tol17a, Tol17b, Tol17c, Tol17d, Tol17e, Tol17g, Tol17f, Tol17h, Tol17i, Tol17k, Tol17j, Tol18a, Tol18b, Tol18e, Tol18c, Tol18d, Tol18f, Tol19a, Tol19d, Tol19g, Tol19b, Tol19c, Tol19f, Tol19e, Tsa18, Von17, War10a, War10c, War10b, War11a, War11b, War12a, War13a, War13b, War13c, Wil10, Yeo16, Yeo17a, Yeo17b, Yeo17c, Yeo17d, Yeo18a, Yeo18b, Yeo18c, Zar10b, Zar10a, Zar11, Zet13, Zet18, Zet19, dV14, AD08, GG08a, Soi09a, Lea10]. **Bookguild** [Hor17]. **Books** [Ano14c, Ano16a, Ano17a, Bay14d, Dav18, Gri13c, Haw18c, Hem19, Hoa19, Hud11b, Jac19, Lev10d, Lev10f, Lev11c, Lev13c, Lev13f, Lev14e, Lev14c, Lev14h, Lev14p, Lev14d, Lev17h, Lev17c, Lor17g, Lor18f, Mac14d, Mac14a, Mac18, Tol10, Tol15f, Tol17b, Tol17c, Tol17e, Tol18e, Tol19f, Zet13]. **booster** [Hal13, Pea11]. **bootstrapping** [Shi11a]. **Borel** [Col19]. **born** [CT14]. **Borovik** [Sto12c]. **Borwein** [Ban10a]. **Botelho** [Shi19c]. **both** [Gri16b]. **bound** [Nic11, SS11]. **boundaries** [AZY12, Per12]. **boundary** [Job13a]. **bounds** [Gus15, KK10, Sch16c, Tor17]. **bowls** [HI14]. **box** [Sim16]. **Boyd** [Tol19c]. **boys** [CT14]. **Bradley** [Mac12b]. **brain** [Grä11, War13b, War13c]. **brainteaser** [Ros09, Bay11b]. **Brams** [Hud10c]. **Breach** [Gri13b, Mac13a]. **breaking** [Yeo18b]. **breakthrough** [Ges11, Gri13c]. **Brian** [Fre10b, Gol10, Hun17b, Rot10b, Tol18d]. **Bride** [LRQ10]. **bridge** [Lev08, Sto10a]. **brief** [Gib19c, Rua17]. **Brilliance** [Kan17]. **bringing** [Hol17]. **Britain** [FRW11, War12b, Lev13e]. **British** [GG10a, Cra07]. **Brouncker** [Hir11e, Osl11b, Osl12b]. **Brouwer** [Pas14, vDD13]. **Brown** [Bay17c]. **Bruce** [Lev17f, Zar11]. **Brummelen** [Rua11, Rua14b]. **Bryan** [Dol15b]. **Bug** [Tal13]. **buildings** [Hah12, And13d]. **Bulajich** [Rou16]. **bundles** [Cou14, Tau11, Gib13a]. **Burgiel** [Eat12]. **Bürgisser** [Cou15, Cou17a]. **Burkhard** [Lev13d]. **Burn** [Tol16c, Yeo18a, Tol17b]. **Burness** [Hun18b]. **Burning** [Vil11]. **Burns** [dV14]. **Burton** [Ten12]. **Butler** [Hop19]. **bytes** [Tin17]. **byways** [Eat11].

C

[And13b, Bay19a, Cou14, Hoa10, Hun17b, Hun18b, Mac12b, Mac14c, Tol16b]. **C.** [SB$^+$12, Sil10]. **C.J** [dV14]. **C1** [Dav10, Hin08]. **C2** [Dav10, Hin08]. **cabinet** [Ste08, Ste09a, Ste09b, Tol10]. **Cable** [Pur18]. **Cakes** [Hem19]. **calc** [Ada09b, Lor11g]. **calculating** [Abe16, Hir11h]. **Calculation** [Lor19e]. **calculations** [vW19]. **calculator** [Lor14k, SLMRR10]. **Calculus** [HB16, Kör14, App10b, AM15, Bay15b, Bay17a, DN11, Fer14, Haw18b, Hir11b, Hun19b, Lor15m, Lor17i, Mac14c, Mac16c, MP11, McA10, McB18, Ric08a, RJPG12, R$^+$12, Rza10, Shi16b, Shi17a, Pat17, Spo18, App14b, Gib18b, Hop18a, Shi18b, Tol15a]. **calculus-based** [Rza10]. **Calendar** [Tol15g, Sta19a]. **Calinger** [Hoa17a]. **call** [Lor17g]. **Cambridge** [Bay10a, Bay15a, Bev17, Cam18, Cou17b, Cou19, Fre10a, GG10a, Hal16, Haw18a, Hoa15a, Hop19, Hun18b, Lee17, Lev10c, Lev17a, Mac15a, Shi18a, Sto17a, Sut11, Tol15a, Tol16d, Tol16c, Tol16b, Tol16e, Tol17j, Tol19g, Tol19c,

Tol19e, War11b, Cra07, Dol15b, HHHS14, Hal15b, Hal15a]. **cameos** [Lor18i]. **Can** [And12, Shi18c, CK19, Shi19d, Sim11a, Kuc12]. **cannot** [Osl12a]. **can't** [Gri13f, Hav12]. **Cantor** [Sco17c]. **cap** [Lor18b]. **Cape** [Ano14a]. **card** [NG15]. **cards** [Hal17b, Hal17b]. **Carl** [Bay17c]. **Carmen** [Hun18a]. **Carmichael** [Jam11a, Sur18]. **Carolyn** [For10b, For13]. **carriers** [She16]. **Carroll** [Rua10, Wil08]. **carry** [Gri15f]. **carry-on-until-one-girl** [Gri15f]. **Cartwright** [Lor19a]. **case** [Hun17f]. **casebook** [Ste14, Tol15f]. **cases** [McN14, OS15]. **Casino** [Wer09, Hai10]. **Catalan** [Gau12b, GL11, JL17, Kos11, KG11, Kos12b, Kos12a, Lev13i, Lev17a]. **category** [Hem19]. **Catherine** [Pat17]. **Cats** [Lev12e, Ban14b]. **Cauchy** [Lor15j, Mer17]. **Ceccherini** [Eat13]. **Ceccherini-Silberstein** [Eat13]. **celebration** [Hop19]. **Cellular** [CSC10, Eat13]. **Centenary** [Ano17b]. **Central** [BGGGR18, Kos11]. **centre** [Abe19, Bra11b, Job15, Sco19b, Sim10]. **centred** [ES11, ES16]. **centres** [Luk19]. **centroids** [Lor18h]. **centuries** [FFW13, FR02, Lev14g]. **century** [Ano12d, B$^+$11, Dev08, Ges11, GG10b, KP14, Lev15a, M$^+$08, Tub14, Cra07, GG10a, GG12c, Gri13c, Hoa15b, Rou13a]. **Cerone** [Shi13c]. **certain** [ASH19b, GG13, Gri18b, Jos19c, Kum10, Kum11, Lor15a]. **certainty** [Bar10]. **Cesàro** [Nur16]. **cevians** [Haj17b]. **Châtelet** [Tol14b, Ari12]. **Chad** [Lev14c]. **Chain** [Eat12]. **chains** [CLM13, Sur18]. **Chair** [LRQ10]. **Chaitin** [Hud11b]. **Challenge** [Lor11c, Cam16, Lor10g, Lor14k, Lor18k]. **challenges** [Ano13m, Hal17c, Hor14, Tol15e, Yeo17a, Yeo17c, Tol15e]. **challenging** [HJS11, Hun13d]. **chance** [Tol18d]. **Chancing** [Tol17c]. **Chandler** [Lev10e]. **Chang** [Shi17a]. **change** [BS12b, FMK18, Hor17]. **changed** [Gri14a, Gri14b, Mac12a, Ste12c]. **changes** [SA16]. **chaos** [Raj13]. **Chapman** [Cou13, War10c]. **characterisation** [Haj18a, Mah13b, VM19]. **Characterisations** [KF19, ASH19b, Jos17c, Jos18a]. **Charles** [Lev14f, Mac15c, Pla11c]. **Chartier** [Tin17]. **Chebyshev** [Gri16a]. **Cheng** [Hem19, Hoa19]. **Chicone** [Hun18a]. **children** [PdVF14]. **Chinese** [Coo19]. **Ching** [Shi17a]. **choice** [Mcn16]. **choose** [CF10b]. **Chris** [Bur10a, Hal15a, Hal15b, Jon19, Lev18b, Lev19b, Pat17]. **Christian** [Tol18e]. **Christopher** [Cam18, Kil10, Ste16b]. **Chunhui** [Bay17d]. **Chwe** [Von17]. **Cinderella** [Gib11a]. **cinlar** [Hai12]. **cipher** [Hol12a, Lew10]. **ciphers** [Bay10d]. **circle** [Bra11a, Fra19a, Job11b, Lev17h, Sco17a, Sco19a, SNH11, Spo18, Sud11, Szy17, Szy19]. **Circles** [Smi16, Bra11b, Bra12, Mah18a, Mat18b, Nun13, Oku13b, Sew15a, Sil18b, Sil18a, Ste17b, Wil18]. **circular** [AZY12, Ell17, Lor10i, Per12, Shi13a]. **circum** [HE19]. **circum-medial** [HE19]. **circumcentre** [Bra11b]. **circumscribed** [De 11a, GG12b]. **circumscriptible** [ASH19b]. **Clarke** [KA19]. **class** [Bra17, Kac18, Lev19c, Mez14, Sto14b, Tol17b]. **classes** [Dol18a]. **classic** [Rib19, Hai17a]. **classical** [Gri13a, Jac19, Leh11, Sch16c, Hun18b, Lor10d]. **classification** [Dol11b, Jos16c]. **classroom** [BCSS19, Hun17f, PF08, SD10, She10a, Sto17a]. **Claudio** [GG12c]. **Claudius** [Hol12a]. **Clausen** [Rza10]. **Clay** [Hun18c]. **Clerk** [FMW14, Mac15b].

Clifford [Gib13a]. **Clones** [She13]. **Closed** [BT17, Gau12b, Sco14d, Sco19c, Lev19c]. **Closing** [Tol18a]. **closure** [Hol19]. **clothoid** [Lor16e]. **Co** [Hop18a, Hun17a]. **coastline** [BM19]. **Codes** [Bay10d, Coo19]. **coefficients** [Den10, FK19, HP10a, Kos11, Vil14b]. **cognitive** [Bor10b, Sto12c]. **cohomology** [Cou10, Gue08]. **coin** [Gri12h]. **coin-tossing** [Gri12h]. **coinage** [Shi18c]. **Coincidence** [Abe19, Tol17e]. **coincident** [Gla13]. **Colin** [Gib11c, Lev13c, Lev18c, Lor11g, Mac14a]. **collaboration** [Bau13]. **Collected** [SB+12, Cou14]. **collection** [GDDR08, Sut11, Bay19b]. **collinear** [HJ18b]. **Collins** [Hal13, Hal14, Hal13]. **collisions** [Lor15j, Sim11a]. **Colmez** [Lev13f]. **colorful** [Soi09a]. **coloring** [Soi09a]. **colour** [Ste16a]. **colourful** [Lor11h]. **colouring** [Lor11h]. **colours** [Gri13d, LG10]. **column** [Gri15b]. **Combinatorial** [Hal12a, Bev14, Mol12, Rua14a, Wei12, Shi14c]. **Combinatorics** [WW13, Gri18d, Gri18c, Lev14b, Row19]. **come** [Iva09, Lor11f]. **Coming** [Yeo18a]. **Commensurable** [Hir11a]. **comment** [Fos11]. **commentary** [ALB09, ALB10b, Knu14b, Knu14a, War11b]. **Commission** [GG10b, M+08]. **common** [Den13, Lev19b]. **communicate** [Wai09]. **Communicating** [BRR08, Ban10a]. **commutative** [Kan09a, Kem11, Lor10c, Lor13d]. **companion** [Hou09, Hun17e, PF08, SD10, She10a, Tol19g]. **Company** [Zar11]. **comparative** [FMK18]. **compare** [Far13]. **competitions** [ZH09, De 11b]. **complete** [Tay07]. **Complex** [Dol15a, Bay17d, GS16, Jam14g, Mur12, WO11]. **composite** [Lor18g, MM15]. **Composition** [Sur13]. **compound** [Far13]. **comprehensive** [Lo 13]. **comprising** [Tay07]. **Computational** [Cou13, Gib18a]. **Computations** [VvBM08, Hun10a]. **Computer** [GD14, Dav12, LHS14, Mac13d]. **Computer-generated** [GD14]. **computers** [Mac12a, Gri14b]. **Computing** [Yan10]. **Concepts** [Tub09, BY11, Hun10b, Yeo18a, For13, Hun17c]. **concerning** [Bra17, Kan17]. **Concise** [Hop18a]. **Concrete** [DN11, Har14, App14b]. **concurrences** [Haj15b]. **Condition** [BC13, BS12a, Cou15, Cou17a]. **conditionally** [Nur16, JLL15]. **conditions** [Nur14b, Pur19]. **cone** [Lor17i]. **confidence** [Kil10, Orm08]. **configuration** [Oai15]. **confusion** [Lor11j]. **congruence** [Dol18a, Haj10, Pla11b]. **congruences** [Kos11]. **congruent** [Job18a]. **conic** [Gho11, Mah19b]. **conical** [DW19]. **Conics** [Bra12, DW19, McL14, Alv17, Hos17b]. **conjecture** [Dol17f, KA19]. **conjectures** [Gri17d]. **Conjecturing** [GR13]. **Conjeevaram** [SB+12]. **connecting** [Gri16a]. **connections** [Gib13a, Tau11, Wel12, Hop19]. **consecutive** [Hir11f, JLU10, Ste19a]. **consequence** [Kos12a]. **considerations** [SA16]. **Constant** [Sim11c, Dol11b, FK19, Hir12, Hir13, JL17, Lor15k, Mel13, Sco10a, Sco14a, Sco17b, Sîn10]. **constants** [Pla11a]. **constraint** [Lor10a, Lor12h]. **constructed** [Mac11a]. **Constructing** [Lor16d]. **construction** [Lor12i, Mah18a, McL19a]. **constructions** [DL14, Sil12]. **content** [CC10, DSZ08, Lev10e, Tub14]. **contentious** [Bay11b, Ros09]. **context** [Shi18b, Bay17b]. **contextual** [Dav17]. **continued**

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ebook [Hai17a, Tol14c]. **Ed** [Shi14b, Fre10a, Gib10b, Gri13d, Hoa14a, Hoa15a, Lev14l, Lev17g, Lev17f, Lev18d, Lor10e, Rot10d]. **Edexcel** [Hal10a, Sto12b, BL12, Hin08, Nic08a, PF08, She10b, SD10, She10a, Dav10, Gol10, Hal10c, Rot10b, Hal14, Sto12a]. **edges** [Sch16a]. **edited** [Cou14, Cri17a, Hal10a, Hal17c, Hop19, Hud11a, Hun16, Hun17e, Hun18c, Lev12d, Lev14b, Lev14m, Lev15b, Mac15b, Rua12, Sto14b, Sut11, Tol14c]. **Edition** [Gri18c, Ten12, ALB09, ALB10b, And10a, And10b, Hud10a, Sto17b, Tol16d, Tol16b, Von17, War11b, Zet18]. **Editions** [Yeo17a]. **Editorial** [Lev11g, Lev15d]. **Editors** [GG12c, Hal11a, Hoa11]. **edn** [Bay11a, Bay14a, Cou17b, Fre15, Gib11c, Gib17a, Gri11d, Gri14e, Gri17d, Hal11c, Hud11a, Hun17d, Jon19, Lor10e, Lor14e, Mac10c, Mun12, Shi10i, Shi10g, Shi15c, Shi16b, Sut10, Tol16c]. **eds** [For10b, Gib10a, Gib12b, GG10b, Lev10e, Lev13e, Lev14g, Mac13b, Rua13, Sch10, Sch13]. **educated** [Haw12, Mah10a]. **Education** [Sto10b, Ten12, WILY11, AR14, BHJ10, Hal11a, Sto14b, Tol14e, M$^+$08, GG10b, Hal17c]. **Edward** [Gib14b, Haw18a, Lev14d]. **Edwin** [Lev10d, War11b, Qua12c]. **effect** [FFGH09, Sch10]. **effectively** [Hol13a]. **effects** [Lor19d]. **Egypt** [Dav17]. **Egyptian** [Tol15b, Rei14]. **Eigencircles** [EF10]. **eigenvector** [Yan15]. **Eight** [Jos19d, FFW13, Lev14g, Wil08]. **elastic** [Sim11a]. **election** [Bra08, Hud10c]. **electric** [Hun12a]. **elegance** [And13b, Ben12b]. **Elegant** [OS15, Lor18f]. **Elementary** [Mac09, AM15, Kar18, Lor16f, McA10, Mur19, Pat15, San15, Sao17, Ton18, Wil17, You11b, You12, Zor10, Shi10d]. **Elements** [Kra12, Suc11, Bay14a, Cou17b, Lor17e]. **Elena** [De 10a, Hun14a]. **Elephant** [Coo19]. **Eleusis** [Sut11, GG08b]. **Eli** [Lev14a, Tol19d]. **élite** [Gri11h]. **Elizabeth** [Sto17a]. **Ellen** [Lev13b]. **Ellipse** [Sci15, Gus15, Jam14c, Mah10c, Mat18b]. **Ellipses** [Lor15i, Yeo17a, Sil17]. **ellipses.fr** [Lor15i]. **Elliptic** [AG14, Vol11, Jac14, Jac14, Tol15c]. **elliptical** [Gau12a, Lor14a]. **else** [Pas11b, Sci15]. **Elsevir** [Hun18a, Tol18b]. **Emil** [De 10b]. **Émilie** [Tol14b, Ari12]. **Emmental** [CDF18]. **Emmy** [Ten08, Gri10b, Zet18]. **Enciclopedia** [GG10b]. **encounters** [Cra10, War12a]. **End** [Rob13]. **ending** [Blu11]. **ends** [Lew13]. **energy** [Sim11a]. **Enescupp** [Yeo16]. **Engineering** [Cou12, Bre11, Duf11, Gri13b, JS08, Mac10c, Mac13a, Mac14c, Mun12, RJPG12, R$^+$12]. **engineers** [ÅM08, Vel09, Mac10b, Mac10a]. **English** [Dav15, Knu14b, Knu14a]. **enhance** [Hal17d]. **Enlightening** [Maz14, Lor15g]. **Enlightenment** [Hoa17a]. **entanglements** [Sto17a]. **entertaining** [Cra10, War12a]. **Entry** [MGC13b]. **enumeration** [Koo11]. **Envelopes** [Sew15b]. **Epple** [Tol14c]. **equable** [Dol16b]. **Equal** [Fos14a, Lor14h, Lor19b, Shi11c]. **equalities** [Gri13e]. **equality** [BS12a]. **equally** [Haj17b]. **equally-spaced** [Haj17b]. **Equals** [NS87, Mar11]. **equation** [Dol12d, Dol13a, Dol16a, Nic12b, Rea19, Sta18, SB19, YF12, Lor18f, Lor18f]. **Equations** [Kre14, Vol11, Baj13, Bea12a, BD15, Cou19, De 14b, Fer16, FK19, Gri14a, JH12, Kan09b, Kul13c, Kul13b, Leu17, Pla14, Shi11d, Ste12c, TL16, Tra13, Hun19a, Jac14, Mac16b, Shi15c]. **Equiangular** [De 11a].

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M [And10a, And10b, App14b, Ban10a, Cou14, Gib14c, GG10b, Gri10b, Gri12f, Gri14d, Hai17b, Hoa13a, Lev12a, Lor15h, Mac10b, Shi15b, Tol17k, Tol18b]. **M.J** [Gri14d]. **M.S** [dV14]. **M1** [Gol10, Jef08b]. **MA** [Lev18c, Lor14d].

MAA [Gib19b, Lor18e]. **MacCluer** [Shi10d]. **MacCormick** [Gri14b]. **Macey** [Tol19e]. **MacHale** [Lev11e]. **Mackenzie** [Lor14f]. **Maclaurin** [Jam15b, Sik12]. **Macmillan** [Gri13b, Mac13a]. **Maday** [Gri14d]. **made** [Dev08, Jam14g, LP16]. **Madhav** [Cou14]. **MAG** [Ano10g, Ano10h, Ano10i, Ano10k, Ano10j, Ano10m, Ano10l, Ano11f, Ano11h, Ano11g, Ano11j, Ano11i, Ano11l, Ano11k, Ano12f, Ano12h, Ano12g, Ano12j, Ano12i, Ano12l, Ano12k, Ano13e, Ano13g, Ano13f, Ano13i, Ano13h, Ano13k, Ano13j, Ano14h, Ano14g, Ano14j, Ano14i, Ano14l, Ano14k, Ano15f, Ano15e, Ano15h, Ano15g, Ano15j, Ano15i, Ano16d, Ano16c, Ano17h, Ano17g, Ano17j, Ano17i, Ano17l, Ano17k, Ano18h, Ano18g, Ano18j, Ano18i, Ano18l, Ano18k, Ano19g, Ano19f, Ano19i, Ano19h, Ano19k, Ano19j]. **magic** [Bay10c, Bea17a, BT09, Cra09, EH11, Hal10b, Sud13, Sut10, War10b]. **Magnificent** [Pas13, PL13, Lev14e, Mac14a]. **Mahajan** [Haw12]. **Mahima** [Shi15a]. **Maitree** [Hal17c]. **Make** [Pur11]. **Making** [BY08, Iva09, For10b, Lor11f, Yeo18b]. **Mallik** [Gri18e]. **Mamikon** [Ste17c]. **Man** [HHPM07, Rua13, De 10a, Gib12a, Stu10]. **Manfrino** [Rou16]. **manifolds** [Lov10, Mac13c]. **many** [Abb08, ALB10a, CK19, Hop12, Lew13, Mac13f, McL19a]. **Maor** [Lev14a, Tol19d]. **map** [Gib10c, Shi08, Tol16d]. **Mapp** [Hal11b, Hal12b]. **mappings** [Fos12b]. **marbles** [Aud14]. **Marc** [Hun10a, Mac15b]. **Marcel** [Lev12b]. **March** [Gib12b, Ano14f, Ano18f, Ano19d]. **Margalit** [Hun18c]. **Margaret** [Gri17d, Aul19]. **Maria** [Gri14c]. **Marie** [For10b, For13, Gri11e]. **Marjorie** [Fre15, Lev10e]. **Mark** [And11, Ban14b, Gri13b, Hal15a, Hal15b, Mac13a, Mac13b, Wil10]. **Markov** [CLM13, Hoa18b]. **Marshall** [De 14b]. **Martin** [Bay10b, Bay10a, Cou10, Hun13b, Sut11, GG08a, GDDR08, GG08b]. **Martinez** [Lev14n]. **Marty** [Lev13d]. **Martyrs** [Ale10, Gib11b]. **Marvelous** [Muk07, LP10]. **marvels** [Ste13a]. **Mary** [Hal17b, Tol13, Tol14b, Ari12]. **Maryam** [Hoa17b]. **Masha** [Gri13c]. **Mason** [Ten12, dV14]. **masses** [Hol17]. **Master** [Sto14b]. **Masterclass** [AR14]. **masterpiece** [Pas13, Mac14a]. **Mastronardi** [Hun10a]. **matematiche** [B$^+$11]. **material** [Sto17a, Hal14]. **materials** [BL12]. **Math** [Ada10, Pas11b, PR12, SC13, Adl14, Bay11b, Bay15b, Bev13, Cra10, Fer14, Fre13, Lev14n, Mar12, Min12, Ros09, RT11, Tol17b, Tol17e, Lev14d, Tol17g, Haw18c, War12a, Lev13c, Lev13d, Tin17]. **Mathematical** [AA08, Ano14a, Ano14m, Ano17m, Ano17n, Ano17o, Ano18n, Ano18o, Bay10c, Bay12, CD11, Cou13, Eat11, Gar13, Gib19b, Gol17, GG10b, Gri11e, Gri12f, Hah12, Hal17b, Hun10b, Hun14a, Hun17d, Jon19, JS08, Lev11b, Lev14k, Lev18c, Lev18b, Lev19b, Lor11g, Lor11f, Lor11i, Lor11c, Lor14d, M$^+$08, PR10, Swe12, Tol15e, Tol15g, Tol18c, Vel09, Yeo16, Zar10a, Ada09a, And11, And13b, Ano12d, Ano13l, App12, Bay10a, Bay14b, Bay14d, Bay15a, BCSS19, Ben07, Ben12b, BS12b, Bor10b, CMZ93, Cra09, Cri07, DLP08, FFW13, For11, Fre10a, GG08a, GG08b, Ges11, Gib10a, Gib12b, Gla19, Gri11b, Gri11c, Gri11h, Gri13c, Hai17a, Hal10b, Hal17a, Haw11, HJS11, Hoa10, Hoa13a, Hoa13b, Hoa17a, Hoa18a, Hun12a, Hun13d, Job13c,

Lan12, Lev10a, Lev10c, Lev11c, Lev14g, Lev17h]. **mathematical** [Lev09, Lo 13, Lor11h, Lor14f, Lor15g, Mac10c, Mac13e, Mac11d, Maz14, McB18, Mic09, Neu11, Pas11b, Pas08, Pla11a, PL12, Rou13a, Rou14, Rua10, San09, Shi10h, Smi08, Soi09a, Ste08, Ste09a, Ste09b, Ste13a, Ste13b, Ste14, Sto12c, Sto14c, SA16, Sut11, Szp10a, Tol10, Tol15d, Tol15f, Wap12, War10a, WMW10, Wil08, Yeo18b, Ano18m, B$^+$11, PW13, Tub09, Gib19c, And13a, And13d, Ano10f, Ano11e, Ano12e, Ano13d, Ano18b, De 17, GG12c, Hud11a, Hun17c, Hun19a, Mac10c, Mac10a, Shi13c]. **Mathematically** [Lor11g, Ada09b, Lev17f, MBS10, Ten12, Hal16]. **mathematician** [Gus12, Hou09, Lev10b, Lev13g]. **mathematicians** [BEU12, FW11, Pet09, Seg09, Tol14c, Dav18, Gib10b, Gri12f, Hai17b, Lev13h]. **Mathematics** [Alc12, Ale10, Ano06, App11, App14b, App14a, Bay10b, Bea12d, Bor10b, Cou10, Cou12, Cri11, Den14, Dol15b, FRW11, Fox15, Gib13a, Gri18d, HHHS14, Hal15a, Hal15b, Hun13b, Jac12, Lev17e, Lev18d, Mac12b, Mac19, Mac12c, MNS10, Mor19, Orm13, Pat17, Plo09, Soi09b, Spr09, Ste11b, Sto10a, Tsa18, Tub14, WILY11, Wri09, Zar10a, dS13, Ada10, AW07, Alc13, And12, AR14, Ban10a, Ban10c, BY08, BY11, BRR08, Cou18, Cra07, Cri17a, DSZ08, Dav10, De 11b, Dev08, Duf11, Eat11, For10b, Fos14b, FR02, FR08, Fyf11, Gib11b, Gib17b, Gib19b, GG08c, Gol10, Gol17, GG10a, GG10b, GD14, Gut11, Had19, Hal10c, Hal11b, Hal12b, Hal17b, Hal17c, Hal19, Haw12, Her11, HJS11, Hin08, Hoa12, Hol11, Hol13b, Hop19, Hou09, Hud13b, Hun13d, Imr10, Iva09]. **mathematics** [JM09a, JM09b, Kra12, LPE$^+$12, Lev10e, Lev11d, Lev12d, Lev14l, Lev14m, Lev15b, Lev17g, Lev17b, Lev18b, Lip13, Lor11h, Lor11f, Lor11i, Lor17e, LHS14, Mah10a, M$^+$08, Mun12, Nel08, Nic08a, Orm08, Pas11b, Pit11, Pit12, PM13, Pit14, PL13, Ram09, Reb12, Rei14, Ron07, Rot10b, Rua11, Rua14c, Rua14b, She10b, SD10, She10a, Soi09a, Ste12a, Ste13a, Sti10, Sto10b, Sto12b, Sto12a, Sto14a, Sto14b, Szp10a, Szp10b, Tob12, Tol16d, Tol19g, Van09, Van13, War13a, War10d, War12b, War12c, Wel08, Wel12, YM11, ZH09, vDD13, Pat17, Lev10e, Hal15a, Hal15b, Ban14a, Bay12, Bay14a, De 14c, Gib11c, Gri11b, Gri14d, Hal17d, Hud10a, Hud13a, Hun13a, Hun17e, Hun18a, Hun17f, Jon19, Kil10, Lev11d, Lev11f, Lev12a, Lev14e, Lev14o, Lor10e, Lor14d, Lor16b, Lor17f]. **mathematics** [Mac15a, Pas18, Rua13, Sto17b, Tol13, Tol16b, Tol17a, Tol17f, Tol18e, Wil10, Yeo18a, dV14, Ban10b, Bay11a, Cou11, Dav17, Gri14f, Hoa14a, Lev11b, Lev13e, Lev15a, Lev17c, Pat17, Sto12c, Sto17a, Tol16a, War13a]. **mathématiques** [Bat14, Lor15i, Yeo17a]. **Mathews** [Lev17e]. **Maths** [Ach11, Ano10a, Hal13, BL12, Bre11, Cha05, Cha07, Gri13b, Hal10a, Hal14, Hud11b, Mac13a, MC09, Pea11, PF08, Lev13f]. **MATLAB** [Duf11, Mun12]. **Matrices** [VvBM08, Bea17a, Bev14, EH11, Har10a, Hun10a, McL19b, Mol12, Rua14a]. **Matrix** [VvBM08, ABD11, Bev14, BB12, FS10, Lor15f, Mol12, Rua14a, Sch13, Yan15, Hun10a, Hun17d]. **Matsunaga** [Fox17]. **Matt** [Hun18c]. **matter** [Ano10g, Ano10h, Ano10i, Ano10k, Ano10j, Ano10m, Ano10l, Ano11f,

Ano11h, Ano11g, Ano11j, Ano11i, Ano11l, Ano11k, Ano12f, Ano12h, Ano12g, Ano12j, Ano12i, Ano12l, Ano12k, Ano13e, Ano13g, Ano13f, Ano13i, Ano13h, Ano13k, Ano13j, Ano14h, Ano14g, Ano14j, Ano14i, Ano14l, Ano14k, Ano15f, Ano15e, Ano15h, Ano15g, Ano15j, Ano15i, Ano16d, Ano16c, Ano17h, Ano17g, Ano17j, Ano17i, Ano17l, Ano17k, Ano18h, Ano18g, Ano18j, Ano18i, Ano18l, Ano18k, Ano19g, Ano19f, Ano19i, Ano19h, Ano19k, Ano19j]. **matters** [Sim12]. **Matthew** [Hal17a]. **Matthews** [Tol17c]. **Maximal** [MM15, KN19]. **maximisation** [Lor13h, Hir11b]. **Maximisation/minimisation** [Hir11b]. **MaxProduct** [Der12]. **Maxwell** [FMW14, Mac15b]. **May** [Aul19, Bur10b]. **maze** [Haw11, Ste10]. **Mazur** [Tol17e, Lor15g]. **Mazzotti** [Tol19a]. **McAllister** [Lev12a]. **McCabe** [Zar11]. **McCartney** [Mac15b]. **McGovern** [Cri15a]. **McGregor** [Gib11c]. **McKay** [Tol16e]. **McOwan** [Gib18a]. **MD** [De 14b]. **me** [Cla18]. **Meagher** [Cam18]. **mean** [App11, Jam14a, Lor10b, Lor14h, Mer13, Mer17, Pla16, Shi16d, VV09, OC14]. **mean-square** [Shi16d]. **meaning** [Sut10, Tub14]. **means** [Gor19b, Jam18b, Lor11b, Sco18d]. **Measure** [Kön12, Bay17c, Sch14]. **Measurement** [Loc12, Wil18, Gib17b, Ban13]. **Measuring** [Col11a]. **mechanic** [Lev09, And11]. **mechanical** [Tod15]. **Mechanics** [Hol17, Jef08b, Cou12, HTSE09, KL11, Luc10, Luc13, Raj13, App10a, Mac14b, Gol10]. **medial** [HE19]. **mediant** [Gut11, Rua14c]. **medieval** [Cri17a]. **medley** [Gri11b, Szp10a]. **Meenakshi** [LP10, Nai12]. **Meeting** [WILY11, CF14]. **meets** [HB16, Mer17]. **Mehrmann** [Gri14d]. **Méla** [Gib10a]. **Melluish** [Tol16d]. **Members** [Hal10b, Bay12, Lev18c, Lor14d, Tol15e]. **memoir** [Cla18]. **memoirs** [Gus12, Lev13g]. **Memoriam** [Ano10e]. **men** [Cra07, GG10a]. **ménages** [KK18]. **Mendoza** [Fos11, Mil12]. **Menghini** [GG10b]. **Menso** [Cri17a]. **Mental** [Lip13]. **Mersenne** [Cam16]. **Meta** [Cha05, Cha07, Hud11b]. **metacentre** [Rob12]. **metamathematical** [Pas16]. **Metcalf** [Jon19]. **method** [Dol11a, DO12, Hos17a, Kir13, Kul16, Shi15e, Sik18, McN14]. **methods** [App10a, BHJ10, Hal11a, JJ13a, Lan12, Mac13e, Sch16c, Yeo17b]. **Metric** [Cul11, Jos17b, Jos18b, Shi10g, Sut09]. **metrics** [Gib13a, Tau11]. **Michael** [Cou13, Gri11c, Hal15a, Hal15b, How19, Hun18b, Mac16b, Pat17, Tol16a, Von17]. **Michal** [Bev17]. **Michel** [Eat13, Lor15i, Sch16c]. **Michele** [Sch10, Gib13b]. **microscope** [Bor10b, Sto12c]. **might** [CT14]. **Mikkel** [Yeo18c]. **Miklós** [Gri18c]. **Mikusiński** [Lor18d]. **Millman** [Lor16c]. **mind** [Gri17c]. **mine** [Mat16]. **Minimal** [Dol18a, Jos15, MM12]. **minimisation** [Hir11b]. **minimum** [Sco14b, Sco18f]. **Minton** [Hai13]. **Miquel** [De 14a]. **Mircea** [Lev12d, Lev14l, Lev14m, Lev15b, Lev17g, Lev18d, Yeo16]. **mirror** [DL12]. **mirrors** [SNH11, Vil11]. **Mirzakhani** [Hoa17b]. **misattribution** [Qua12b]. **Miscellaneous** [Sco10b]. **miss** [McL19a]. **missing** [Osl12b, Shi11f]. **mistakes** [Lev14e, PL13]. **Misunderstandings** [Tol14d]. **Mitchell** [Hal11c]. **Mittag** [Gib12a, Stu10]. **Mittag-Leffler** [Gib12a, Stu10]. **Mixing** [Kos16]. **model** [CP10, Kan17, Tol19f]. **modeling** [Mac10a, Vel09]. **modelling** [BS12b]. **models** [Hud10a, Kos14, Kro18]. **Modern**

[Ale10, AA13, Ber10, Dev08, Gib11b, Gri10b, Hai17a, Sch16c, Shi15a, Shi17b, Ten08, Tol17i, WW13, Lev14b]. **modes** [Lor11e]. **modular** [LP10, Muk07, Pur19]. **modules** [Hun15, JST12]. **Mohammed** [App18, Yeo17a]. **Mohan** [Rua13]. **Moivre** [Dou13]. **Molitierno** [Bev14, Rua14a]. **moment** [Gib19b, Lor14a]. **moments** [Bag11, LY11, Lor14i, And13c]. **money** [Gib17b]. **monkey** [Gro18]. **Monographs** [App11, App14b]. **monotonocity** [VSR13]. **monster** [Ron07, Wil10]. **Monty** [Bay11b, Ros09]. **Moore** [Zar11]. **Moriarty** [Den14]. **Moritz** [Tol14c]. **Morley** [Mac11a, Sco13a]. **Morphing** [Osl11b]. **morphology** [Sim19]. **morsel** [Haj17a]. **Mortad** [App18]. **most** [Bau14, Bay11b, Bea12c, Bev13, Lor16f, Lor18f, Ros09, RT11]. **mother** [Gri10b, Ten08]. **motif** [Gut11]. **Motifs** [Rua14c]. **motion** [Ben12b, Ell17, And13b]. **Motivation** [Ban10c, Wel08]. **move** [AW07, Sto10b]. **moves** [Rob13]. **movies** [PR12, Lev13d]. **moving** [DL12]. **Mr** [Cra07, GG10a]. **Mrs** [Hun12a]. **MSOR** [Yeo18a]. **much** [Shi19d]. **Mukerji** [LP10, Nai12]. **multigrade** [Pla11b]. **multimagic** [Kee11]. **Multinomial** [Gri10a]. **multiple** [Sub15b, Tol15g]. **multiples** [Jam18d, Lip13]. **multiplication** [Pis16]. **multiplicative** [Col13a, ES10, Pur19]. **multiplicative-type** [ES10]. **Multisection** [BD16]. **multivariate** [Kac17, Shi16b]. **Mumford** [For12]. **Murray** [Mac10b]. **Murthy** [Cou14]. **Music** [Ben07, Tol17f, Wri09, Lev11b, Lev10c, Tol19d]. **Musielak** [Lev14k]. **my** [Gib10c, Hop16, Shi08, Tol17h]. **mysteries** [FW11, Ste13a, Ste14, Tol15f]. **mystery** [San09, Shi10h]. **mystic** [Cri15a, McG13]. **myth** [Tol17e]. **myths** [HJS11, Hun13d, Lev14n, Mar12].

N [Hai10, Lev17e]. **Nadis** [Mac14d]. **Nahin** [Hun12a]. **Naked** [Whe13, Lev14f]. **Nandakumaran** [Cou19]. **Napier** [Cri15b, Bur10c, Hav14]. **Napoleon** [Oai15]. **Nathalie** [Sto17a]. **National** [Mer15, Rou13a, Sto14c, Kro18]. **Nattygrafix** [Rot10a]. **natural** [Jac11, Mol17, Ran18]. **Nature** [Gar18, Ada09a, Die19, For11, Kha10, Kha12, Rua12, Tha05, And19]. **Nature-nurture** [Gar18]. **Nautical** [Tol16b]. **Neale** [Tol18a]. **Necessary** [Nur14b]. **need** [Cri07, Hol19, Lev10a, Pas11b, War10a]. **Needed** [Lev15e]. **needle** [Lor19e]. **needlework** [BY08, For10b]. **negative** [Jam18a, Vîj19]. **Neill** [Tol19b]. **Nelsen** [Lor18e]. **Nelson** [Lor10e]. **Nesbitt** [SL17]. **nested** [Dow15, Osl10b, OJN16, Sco14a]. **Network** [Sto10b, Yeo18a]. **Neuenschwander** [Mac16c, Zet18]. **Neumann** [Hoa13a]. **Never** [Gib19b]. **Neville** [Hal11a]. **Newton** [Mac14a, Pas13, Rua12, Che16b, Hol17, Lor11d, McN14, Mcn16, Rea10b, Tha05, Rua12]. **Newtonian** [Tol14b, Ari12]. **Neyman** [Gri13a, Leh11]. **Nice** [Joh11]. **Nicholas** [Hun17e]. **Nicholson** [Gri14e, Hal10c]. **Nick** [Ano14r, Ano14o]. **Nicola** [Hun10a]. **Nicolas** [Sch16b]. **Niels** [Hun17a]. **Nielsena** [Yeo18c]. **Nigel** [Gri13d]. **Nimmo** [Gib11c]. **Nina** [Hal17a]. **Nine** [Mac12a, Fra19a, Sco19a, Sud11]. **nine-point** [Fra19a, Sco19a, Sud11]. **Nint** [Dol14a]. **No** [Gib13a, Hal13]. **Noether**

[Gri10b, Zet18, Ten08]. **Nolan** [Hun12b]. **nomogram** [Sta18, Sta19b]. **nomograms** [Hop13]. **Non** [Bur17, Hal10b, Bay12, HJ18b, Kro18, Lor14k, Tol15e, ZF10]. **non-calculator** [Lor14k]. **non-collinear** [HJ18b]. **Non-Desarguesian** [Bur17]. **non-existence** [ZF10]. **non-linear** [Kro18]. **Non-members** [Hal10b, Bay12, Tol15e]. **Norbert** [Ban14a]. **Nori** [Cou14]. **normal** [Col19]. **normals** [Gla13, Sco11b]. **Norman** [Gib17b]. **North** [Cri17a, Gib17a]. **North-Holland** [Gib17a]. **Norvaisa** [App14b]. **Not-on-the-line** [Gri15a]. **notation** [Lor15g, Maz14]. **Note** [GOD18b, Col11b, GB12, Gib19a, Gri17a, Haj17d, Jam18a, Jam18b, Tor17]. **Notebooks** [MGC13b]. **Notes** [HR17, Har14, ALB09, ALB10b, Bor10b, Lev17i, Shi17a, Sto12c, War11b]. **novel** [JO14]. **November** [Ano19e]. **Number** [HS13, Ano13m, AT12, AG14, Col19, Egg15, Gri12d, GM15, Gri17d, Hun10b, Shi10e, Shi10f, Shi14e, Shi17b, Sur10, Tol15e, Tol17i, Tub09, Vil07, Zor10, Gri17d, Shi14e]. **Numberland** [Rua10, Wil08]. **Numbers** [FGR14, Hig11, Jac12, Szp10b, And10a, And19, Bay10c, Bea12d, Bre15, Cag19, Col11b, Dol15a, ES11, Eul15, ES16, Gau11, Gau12b, GB12, Gib19c, GL11, Gri13f, HWHBS08, Has19, Hav12, Hoa10, Hoa14a, Hoa18b, Hop16, Jac11, Jam10b, Jam11a, Jam14g, Jam19b, Jár16, JJ14, JLU10, KK10, Koo11, KG11, Lev13f, Lor14b, Lor14l, Lor16c, Lor16g, Lor18g, Mac17, Min12, Mur12, Pas08, Pis16, RG14, SE13, Sao17, SC13, Shi12a, Shi19b, Ste11a, Sub19, Sur18, Tsa11, War12c, WO11, Zet13, dK09, And10b, Bay17d, Gri11e, Gri18e, Hai13, Lev13a, Lev17a, Rua17, Tol14a, Tol16e, Tol19d, Cri13, Hud13b, Tol16c]. **numeracy** [Fie07, Fre10b, Zar10b]. **numerical** [BC13, Cou15, Cou17a, Cou17b, Mur19, Mur11b]. **Nunnally** [Gib12a]. **Nuno** [War12a]. **nurture** [Gar18]. **NY** [Tol10].

O [App10a, Lor11f]. **O.M** [How19]. **object** [Hol13a]. **oblique** [Osl11a]. **oblique-angled** [Osl11a]. **observations** [Lor18j, Gri12a]. **Obtaining** [Luc10, Kac18]. **obtuse** [GOD18a]. **occurrence** [Mol17]. **octet** [Sew15a]. **odd** [FM10, Jam10b, JLU10, Mil11, NL16, Ste19a]. **odyssey** [Pas08, Hoa10]. **offering** [Ben07, Lev10c]. **Office** [Hun18c]. **OIH** [Jos19d]. **old** [Dol12c, Rea10b]. **Oleg** [Hun14a]. **Olympiad** [Ano14a, Zar10a, Smi08, Lor11d]. **olympiads** [Job13c, Yeo16, Rou14]. **omega** [Cha05, Cha07, Hud11b]. **once** [Sco17a]. **One** [Haj17d, Mar11, Cag18, Gri15f, NG15, Ron07, Shi11c, Shi17b, Tol17i, Wil10]. **online** [Gib11c]. **Ono** [Tol17h]. **Open** [BEH17, Haj15b]. **opening** [Vil11]. **operational** [AM15]. **opportunistic** [Haw12, Mah10a]. **optimisation** [GG13, Kac17]. **Optimising** [Jew10]. **optimization** [Gro11]. **Optimum** [Mcn16]. **oracles** [Shi19b]. **Orbits** [Jam14g]. **order** [Abe16, Hir11h, McN14, Suc11, Sut10]. **ordered** [Gri12c]. **Ordering** [Aud14]. **orderings** [Egg15]. **orderly** [Pop12]. **Ordinary** [Cou19]. **Orieami** [Mac13b]. **Origami** [GG08b, Lan12, Muk10, Sut11, WILY11, Ger08, Muk07, For10a,

LP10, Mac13e, Nai12]. **origin** [Kul13c]. **originaux** [Bat14]. **Origins** [Tub09, Lo 13, Hun10b, Tol15d]. **Ormell** [Kil10, Bur10a]. **Ortega** [Rou16]. **orthic** [Nic17]. **orthocentroidal** [Sco14e]. **Orthogonal** [Fos12b]. **Orzel** [Lev14c]. **Osborne** [Lor15h]. **Oscar** [Bay15b, Haw18b]. **O'Shea** [Bay10c, Lor17g]. **Other** [Lev12e, Ada09b, Ban14b, Gib17c, Gri11c, Haw11, Hun12a, Lor11g, Mic09, Pla11a]. **our** [Shi18c, Ste11a, Ste12c, Zet13]. **outer** [Pur18]. **outscribed** [Ano14r, DZH14, Tod15]. **oval** [Tol19a]. **overcome** [Pas11b]. **Owen** [Bay10c, Lor11i, Lor17g]. **own** [Pur11]. **Oxford** [And10a, And10b, And13c, And13b, App14a, Bay11b, Bay14b, Bay14c, Bay19b, Bev13, Cou10, Cou12, Cri13, Dav10, De 11b, Fos14b, Fre15, Gib13a, Gib17b, Gib18b, Gol10, Gri11d, Gri14c, Hal10c, Haw11, Hop18b, Hun15, Hun17f, Kee18, Lev12a, Lev13e, Lev14i, Lev14o, Lev14b, Lev14g, Lor18f, Mac10c, Mac14b, Mac15b, Mac19, Mac16a, McB18, Rot10d, Rot10b, Row19, Rua17, Sch13, Shi10e, Shi10f, Shi10g, Sto14a, Sto17b, Tol14b, Tol18a, War10b, War11a, Wil10, ABD11, FFW13, Lev14g]. **Øystein** [Pas18].

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radicals [Col15, Osl10b, OJN16]. **radius** [Col11a]. **Radmila** [Rou16]. **Rado** [Cam18]. **Raf** [Hun10a]. **Raffi** [Yeo17d]. **Ragni** [Hun16]. **Ragui** [Hoa11]. **Rain** [Ban10c]. **Rainer** [Shi15c]. **Rajeev** [Mac14b]. **Raju** [Cou19]. **Ramanujan** [Hir13, MGC13b, Pla12, VSR13, Tol17h]. **Ramon** [Shi18a]. **Random** [Gri15g, ABD11, Bev17, Lor14h, Sch13, Tor17]. **Ranjan** [Shi15a]. **rare** [Wio19]. **rates** [FMK18]. **ratio** [ASHH18, All18, Bra11a, Dob11, Gho11, Gri13e, Gri15d, Jam18c, Lev14h, Lor17a, Nic14b, Red15, Mol17]. **Rational** [Gor18, AT12, Bar11, Bar13, Gri11a, Gri12b, Koo11, Pla14, SB19]. **rationals** [Koo11, Sub14a]. **ratios** [Nic16, FM10]. **Raymond** [Hoa18a, Lev13e, Lev13h, Lev14g, Mac15b]. **Rayner** [Aul19]. **Rays** [Bro11]. **Read** [Tol13, Hud13a, War10d]. **readable** [Lor16b]. **Real** [Sta11, CK19, Fin14a, For12, Lev17c, Lor16b, Mez14, MD10, Nic11, Wio19, Yeo17d, Lor14e, Shi19c]. **real-world** [For12, MD10]. **Reale** [Lev12c]. **reality** [Fre13, Ved10, War11a]. **really** [And12, Cri07, Dev08, Lev10a, War10a]. **rearrangement** [Nur13]. **Rearranging** [Nur14a]. **reasoning** [Lev09]. **Rebaza** [Hun13a]. **Rebecca** [Hal10a]. **Received** [Ano14c, Ano16a, Ano17a]. **reciprocal** [Lin11, Lor11j]. **reciprocals** [Gri15c, Gri15e, Sco18a]. **reciprocity** [Dol14a]. **Reckoned** [HHPM07, De 10a]. **recognize** [Pas11b]. **Recountings** [Seg09, Gib10b]. **rectangle** [EM16]. **rectangles** [EM12, EM16, GG12b, Pat13a]. **rectangular** [FF19]. **recurrence** [Dow15, Pla16]. **recurrences** [Gri17a]. **Recursive** [OC14, Cer16, Egg15, Kha10]. **Recycling** [LN17]. **reductions** [Tol15g]. **Redundant** [ADLM18]. **referees** [Lev14q, Lev18a]. **Reflecting** [GG10b, M$^+$08]. **Reflection** [Lor11n]. **Reflections** [Col13b, Ada10, Sik12, Bea12b]. **reform** [Cra07, GG10a]. **Regarding** [Sîn10]. **Regular** [She13, Fos18, Lor12i, Ste17d, Kin10]. **Reimer** [Tol15b]. **related** [FM10, Jam14f, OC14, SE13, Sim12]. **relation** [Dow15]. **Relations** [MM13a, CF10b, Jos17b, Jos18b, Pat17]. **relationship** [Eul15, ES16, Ste17a]. **relative** [FMK18, Nic14a]. **relativity** [Jac19, Lev14c, Orz12]. **remarkable** [Bay11b, JJ13b, Osl15, Ros09]. **Remarks** [Bea18a, Bra17, Pla11c]. **Remembering** [Aud11, CR16, Gib13b]. **Removing** [Bea15b]. **Renate** [De 14c]. **Renato** [GG12c]. **repetition** [Gri18a, Mas14]. **representation** [Cou14, EGH$^+$11, GS11, Hun14a, Mel13]. **representations** [GW09, Gri15b, Hun12b, Hun17b]. **representing** [GG12a]. **reprise** [Cri12a]. **Request** [Lev14q]. **Research** [Rou13a, Sto14c]. **residues** [Dol18b]. **resistance** [Lor19d]. **resources** [Hun17f]. **restitution** [Lor11n, Lor19d]. **result** [MvdB12, Wei12, WO13, dVS18]. **results** [Loo11, Mur17]. **return** [KL14]. **returning** [KL14]. **returns** [GS11]. **Reuben** [Hun13d]. **revealed** [Ber10, Lev12b]. **revenge** [San09, Shi10h]. **Review** [And10a, And10b, And11, And13c, And13a, And13b, And13d, And19, App10b, App10a, App11, App14b, App14a, App18, Ban10a, Ban10c, Ban10b, Ban13, Ban14b, Ban14a, Bay10c, Bay10b, Bay10a, Bay11b, Bay11a, Bay12, Bay14a, Bay14b, Bay14c, Bay14d, Bay15b, Bay15a, Bay17b, Bay17a, Bay17c, Bay17d, Bay19b, Bay19a, Bev13, Bev14, Bev17, Cam18, Cou10, Cou11, Cou12, Cou13,

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Reviewers [Lev15e]. **Reviews** [Lor18f, Pat17]. **revised** [Hud10a, Zet18]. **Revision** [Ano10a, SD10, She10a, Hal10a, Hal12b, Hal17b, PF08, Sto12b]. **revisited** [Bar17, FF16, KK18, Kom10, Kos12b, Lor11a, Raz19, Sco11a, Sco12, Sco13b, Sco17d, Sco19d, Sco19c, Sil18b, Sim11c, Sof13]. **Revisiting** [De13, Jam18b]. **revolution** [Ari12, Fos14a, Lor19b, Vil14a, Tol14b]. **Reward** [Wer09, Hai10]. **rhombus** [Haj18a]. **Ribenboim** [Mac17]. **Rice** [Lev13e]. **rich** [Ben12a, Lor15m, Lor15n]. **Richard** [Hai10, Hoa14b, How16, Lev17a, Tol17a, Tol19g]. **Richardson** [App10b]. **Richeson** [Rot10c]. **Riemann** [PG17]. **Rigby** [Lev11d, Lev15c]. **right** [Bro11, Gib17b, Job18a, Leu12a, Leu17]. **right-angled** [Leu12a]. **rigour** [Ges11, Gri13c]. **Riley** [Hor17]. **Ring** [Coo19]. **Rings** [FGR14, JST12, Hun15]. **Riot** [Ada09b, Lor11g]. **Rise** [Ale10, Gib11b]. **Risk** [Wer09, Hai10]. **road** [Qua13]. **Roads** [Sti10, Hoa12]. **Robert** [Bay19a, For10a, Hun10b, Lev13b, Lev15a, Lev17h, Mac13e, Mac13b, Pat17, Shi11e, Shi17b, Tol15c, Tol17c, Tol17i, Tol18e]. **Roberto** [GG12c]. **Roberts** [Gri17c, Tol17f]. **Robin** [Jon19, Lev13e, Lev13h, Lev14i, Lev14b, Lev14g, Lor18f, Meg12, Row19, Rua10, War12b]. **Robyn** [Tol14b]. **Rocchi** [Hai15]. **Rocha** [Ban10a]. **Rodgers** [Sut11]. **Rodrigues** [Ban10a]. **Rodriguez** [Shi10e, Shi10f]. **Roe** [Hun12b]. **Rogelio** [Rou16]. **Roger** [Lev17i, Lor10d, Lor18e, Shi18a]. **Rohde** [Mac14c, Yeo18c, Mac14c]. **Roi** [Cri17a, Yeo18b]. **Roland** [Hai13]. **rolls** [ML13]. **romance** [Abb08, ALB10a]. **Rome** [GG10b]. **Ron** [Hop19]. **Ronald** [Hoa17a]. **Ronan** [Wil10]. **root** [Kul13a]. **rooted** [vDD13]. **roots** [Abe16, Cam16, Fin14a, GG12a, Jac11, Kom10, KR17, Lo 13, Lor15n, Lor18c, Nic11, Shi12b, SB19]. **Rosenberger** [Shi15b]. **Rosenhouse** [Bay11b, Bev13, Kee18]. **Rosenthal** [Lor16b]. **Ross** [Lev13d, Tol18b]. **rotation** [BCL10]. **Rothman** [Lev11d]. **rough** [HI14, Lor18j, Sim11b]. **Round** [NS87, Hop16, Lev18b]. **Rounding** [vW19]. **Rounds** [NS87]. **Routh** [Abb15]. **Routh-Steiner** [Abb15]. **Rowan** [McG13]. **Rowland** [Gri18d, Sto14b]. **Rudi** [Tol14c]. **Rudolph** [Zet19]. **Rugby** [CP10, PR10]. **Rule** [Leu12b, Hud13b, Jam12, Kha13, Szp10b]. **rules** [Hop13]. **Runge** [De 14c, Tob12]. **Runs** [Lew14, Lor18g, MM15].

S [Cou14, Cou17b, Cou19, Gib14b, Gri11c, Hal17d, Hoa17a, Hol17, Hun15, Lev14e, Lev14h, Lev14p, Lev17h, Lor14e, Lor16c, Lor17f, Rot10c, Rua12, Rua13, SB$^+$12, Shi10c, Shi13c, Tol16b, Tol18e, War10b, Zar11, dV14, Bat14, Lor15i, KK10]. **S.G** [Hoa14b, Mac14b]. **S1** [Hal10c, Nic08a]. **Sacred** [FR08, Lev11d]. **Sage** [JH12, De 14b]. **Salisbury** [Gar10]. **Sally** [Shi14e]. **sample** [FL14]. **Sandra** [Hal15a, Hal15b]. **sangaku** [Ara15]. **Sangalli** [Shi10h]. **Sangwin** [Hal15a, Hal15b, Pat17, dV14]. **Sanjoy** [Haw12]. **Santiago** [War10b]. **Sara** [Zar10b]. **Sarah** [For10b, For13, Lev10e]. **Sarah-Marie** [For10b, For13]. **Sasane** [Lev17d]. **Sastry** [Haj19]. **save** [Hol12b]. **scalar** [Gre19]. **scale** [Aud14]. **scalene** [Sco19b]. **scary** [Pas11b]. **scenario** [Gri12h, Gri15g]. **Schilders** [Gri14d]. **Schmah** [Cou12]. **Schneider** [Hun14b]. **Schnell** [Fos11, Mil12]. **Schneps** [Lev13f]. **Schoenfeld** [Fre10a].

school [Gol17, Ran18, Yeo17c, Dol15b]. **schools** [Lev17f]. **Schubert** [Cou14]. **Schuppert** [Gri14d]. **Schwarz** [Lor15j]. **Schwendner** [Hun14a]. **Science** [WILY11, Wer09, Adl14, Bre11, DSZ08, Dav12, De 14c, Hai10, LHS14, Mac13d, Sen12, Tob12, Gri13b, Lev10e, Mac13a]. **sciences** [Ano12d, Ano13l, CMZ93, FFW13, JS08, Mac11d, Rou13a, Sto14c, Lev14g, Lor14f, Mac10c]. **Scientific** [App18, Bay17d, Gib17c, Gib18a, Gri17d, Gri18e, Gri18c, Hal17a, Hal17c, Hal17d, Hoa18a, Hop18a, Hun17a, Lev12c, Lev17d, Lev17f, Lev17i, Lor17f, Lor18d, Mac17, Shi17a, Tol17a, Yeo17b, Yeo17c, Yeo18c]. **scientists** [ÅM08, Mac10b, Mac10a, Vel09]. **scores** [vdV12]. **Scotland** [BM19]. **Scott** [Lor15h, Rua14c, Tol19f]. **SCT** [Lev11d]. **Seán** [Shi16b]. **search** [Der15, Der19, Sut10, Tol17h]. **Sebastian** [Hun14a]. **Second** [Ten12, Shi18a, Sto17b, Vig19]. **secondary** [Lev17f, Yeo17c]. **secrets** [Gri14f, Lan12, Lev14p, Mac13e, PL12, Ste11b, Cou18]. **section** [Mah19b]. **sections** [Gho11]. **sector** [Lor10i]. **Seduced** [Ari12, Tol14b]. **see** [DL12]. **Segel** [Gib10b]. **Segerman** [Had19]. **Selecta** [Sch10, FFGH09]. **selected** [Cve12, Shi14d]. **selections** [Rua12, Tha05]. **self** [Ste17e]. **self-similar** [Ste17e]. **semicircle** [Che16b]. **semicircles** [Job11b]. **Semiseparable** [VvBM08, Hun10a]. **Senechal** [Fre15, Lev10e]. **Senior** [Lor11c]. **sense** [Yeo18b]. **Separating** [Lor19d]. **sequel** [Dol15b]. **sequence** [Gri15h, Gut11, McG13, Mil11, Osl12b, Pla12, Pur19, Rua14c]. **sequences** [Di 13, Gri11a, Gri18b, GS16, Kum10, Lor14l, MMYA10, Pla16, Lor11a]. **Serenus** [Haj19]. **Series** [Cou13, Jam14d, Ayd18, BD15, BD16, Coo11a, Gri12a, Gri12e, Gri12b, Jam14f, Jam18a, JLL15, Kha10, LN17, Lor10g, Mel13, Mur11a, Nil13, NL16, Nur13, Nur14b, Nur14a, Nur16, Osl12a, OD13, Pla18, Sco11d, Sco11a, Sco11c, Sco14c, Sco15a, Sco17b, Sco17c, Sco18a, Shi19a, Sub15b, Tol19h, WO13, Gri15b, Pla11a]. **seriously** [Bev13, RT11, Kee18]. **Serre** [Shi10i]. **Seshadri** [Cou14, SB$^+$12]. **set** [Cou14, Gao08, Gao09, Hal12a, Mac14e, Shi14c, Szy17, War10c]. **Sets** [MM13a, Pat17, Dol18a]. **setter** [Cut14]. **seven** [Sil18b, Tol17k]. **Seventeen** [Ste12c]. **seventeenth** [Dev08]. **seventeenth-century** [Dev08]. **seventh** [Tay07]. **Sever** [Shi13c]. **several** [Tay07]. **Seymour** [War10b]. **Shakespeare** [dS13]. **Shanghai** [Mer15]. **Shape** [HS13, DSZ08, Lev10e, Mac14d, Rop18, Shi14e, YN10, YN12]. **shaped** [MW18]. **Shapes** [Job13a]. **shaping** [GG10b, M$^+$08]. **Sharp** [Fre10b]. **sharpening** [Ret17]. **Shearer** [Mac16b]. **Sheets** [Ano18b]. **Sheldon** [Tol18b]. **Shell** [Bay17b]. **Shell-Gellasch** [Bay17b]. **Shen** [Bay17d]. **Sheng** [Hop18a]. **Sheppard** [Lee17]. **Sherran** [Sto12b, Sto12a]. **Shifting** [Kul13c]. **Shimura** [Gib10c, Shi12c]. **Shing** [Mac14d]. **Shing-Tung** [Mac14d]. **Shiue** [Lor16c]. **SHM** [Sim11b]. **Short** [Osl15, Bay14c, Cri13, Fos12c, Haj18a, Hig11, Hop18b, Kar18, Lev14o, Lor15g, Mac19, Maz14, Ram09, Row19, Ste12a, Mer10]. **shortest** [Ban18]. **Shot** [Lor12h]. **Should** [Mat16, Cri12b, Gra13]. **show** [Lor14k]. **Showing** [Ayd18]. **Siava** [Hun14a]. **Siddhāntasundara** [Knu14b]. **Siddhantāsundara** [Dav15, Knu14a]. **side** [Bay12, Hol11, Hol13b, Lor14d].

sides [Tol19a]. **Sigma** [Gib19c]. **Sign** [Zho13, HP10a]. **signals** [MD10, For12]. **Significant** [Bra11b, Dav18]. **signs** [Nur14a]. **Silberstein** [Eat13]. **Silva** [Shi19c]. **Similar** [Leu12b, Leu12a, Lor14j, Ste17e]. **simple** [Far13, JJ13b, Jam15d, Mel13, Mur17, Nur13, Shi11e, Sle12, TL16, Ton16, Wil09]. **simplest** [Haj15a, Jam10a]. **simplices** [Haj18b]. **Simpson** [Bea18b]. **Simson** [Smi15, Qua12b]. **simulation** [Mac10a, Vel09]. **Simultaneous** [Lor12i]. **Sinclair** [Sto17a]. **Sine** [Jam15e, Gib14a]. **sines** [Rou13b]. **Singapore** [Lev11d, Mer15]. **Singh** [Mac16a]. **single** [Bay17a, Gib11a, Jam16b]. **singular** [Lor15f]. **Siobhan** [Gri17c]. **Sir** [How19, Ste16b]. **Six** [Rea10b, Lev12c]. **sixth** [And10a, And10b]. **size** [Nic14a]. **sized** [Lor17h]. **sizes** [KK10]. **skew** [Job13a]. **Skinner** [Hal10a]. **Skyrms** [Tol18d]. **sledge** [Sim12]. **slices** [FJ10]. **Slide** [Hop13]. **Sliding** [HI14, De13, Gla12, KL11, Luz16]. **Slot** [Yeo18c]. **slowly** [Ben12a, Coo11a, Gri15h, Shi19a]. **Small** [Cou13]. **Smith** [Mac10c, Zar10a]. **Smullyan** [Hoa18a]. **snakes** [GS11]. **snapshots** [DLP08, Gib10a]. **sociable** [Kee13]. **Society** [Gib19b, Gri11e, Gri11b, Gri12f, Hoa13a, Hun14a, Hun17d, Lev11b, Lor11g, Lor11f, Lor14f, Sto12c]. **Sofya** [Gib13b, Aud11]. **Soifer** [Bay11a, Lor11h]. **solid** [Mac11a]. **solution** [Kul13b, Sta18, YF12]. **solutions** [Baj13, May16, Pla10c, Pla14, Sur14, ZF10, Shi13b, App18, Yeo18c]. **solve** [Che19, Fer16, Jam16b, Kul13c, Lev09]. **solver** [Job13c, Rou14]. **Solving** [Ano14q, Kac17, Bay11a, Bay12, Hal17d, Hal19, Hol11, Hol13b, Lev17e, Lor14d, Mah10a, Soi09b, SLMRR10, TL16, Tra13, dV14, Col15, Haw12, Lor17f, Yeo17c]. **Soma** [Sut11, GG08b]. **Some** [And17, Fox16, Haj15b, JJ13b, Jam14e, NL16, Pla11c, Ste17f, li17, Abb15, Baj13, Gri12a, IS12, Mur11a, Pat15, Pla11a, Pla14, Ram09, Ste17e, SA16, Gri12e, Jam14f, KG11, Kos12a, Siu13]. **Somerville** [Tol14b, Ari12]. **sonnet** [McG13]. **Sons** [App10b, Hai17a, Mac14c]. **Sophie** [Lev14k]. **Sourcebook** [Cri17a]. **space** [App10a, Pur18, Rop18, YN10, YN12, Mac14d]. **spaced** [Haj17b]. **spaces** [App11, Osb13, Shi10g, Sut09, VV09, Lor15h]. **spade** [Shi12b]. **spatial** [VM19]. **speaking** [BEU12, Tol14c]. **special** [Bra12, Lor15e, McN14, OS15, Jac19, Lev17f]. **specified** [Hal13]. **specious** [Mar11]. **Speigelhalter** [Tol17j]. **sphere** [Pop12]. **spheres** [Ara15, Fox14, Nun13, Pop12, Gib14b]. **spherical** [CR16, Lor18b, Rua14b, Van13]. **Spieker** [Sco19b]. **Spindown** [CC18]. **Spinout** [Coo19]. **spirals** [Die19]. **spirographic** [Ber17]. **Splitting** [Gor13]. **spreadsheet** [Mur11b]. **Spreitzer** [Tol18e]. **Sprent** [Ban10b]. **Springer** [App11, App14b, Ban14a, Bay11a, Bay17a, Bay17c, Cou15, Cou17a, Eat13, Fox17, Gib10c, Gib12a, Gib13b, GG10a, GG12c, Gri13a, Gri13d, Gri14d, Hai10, Hai12, Hai15, Hal19, Hoa11, Hun12b, Hun14b, Hun16, Hun17b, Hun17c, Lev11a, Lev12b, Lev13g, Lor10c, Lor11h, Lor13d, Lor15h, Lor16c, Lor16b, Meg12, Pas14, Sch10, Sch16c, Shi10d, Shi11e, Shi11d, Shi12c, Shi14d, Shi14c, Shi15c, Shi15a, Shi16b, Shi19c, Tol14c, Tol17h, Tol19a, War12a]. **Springer-Verlag** [App11, Gib13b, Pas14]. **Spurt** [Gro11]. **Spurtacular** [SG12]. **Square** [Pis16, Ber15, Ber18, Cam16, Cri12a, Edg16, Eul15, ES16,

GG12a, GV17, Hir11f, Jac11, Jam10b, Job13a, KR17, Lev18b, Lor18c, McL19b, ML13, Sch16a, Sco15a, Shi16d, Ste19a, Sub14b, SB19, Sut10, Szy17]. **square-free** [Jam10b]. **squared** [Haj17b]. **squares** [AM11, BT09, CDF18, Dol12b, Dol18b, Dol19a, EM12, Fos12e, Gib17a, GV15, Hir11f, Jam10a, Jam19a, Kee11, Lor10i, Mah13b, Nic14a, Sco18f, Shi13d, Fos12e, Lor12c, War10b]. **Squaring** [Szy19]. **Srirangachari** [SB+12]. **Srivastava** [Hun15]. **Stability** [Ter09, Rob12, Mac11b]. **stabilization** [Mac11b, Ter09]. **Stable** [Bea15a, Gri11g]. **Stacey** [Ten12]. **stacking** [Chu18]. **Stahl** [Lor14e]. **Stanley** [Gri17d, Lev17a]. **starships** [Adl14, Mac15c]. **state** [Rou13c]. **static** [De14]. **statistical** [BHJ10, FFGH09, Hal11a, Sch10, Tol17k]. **Statistics** [Kra09, Nic08b, Pat17, Tol14e, Gri13a, Hor14, Leh11, Mar16, MMC09, Nic08a, Tol14d, Tol15e, Whe13, Hai17a, Lev14f, Lev19b, Lor11i, Tol18b, Tol19e, Zar11, Gri11d, Hai17b, Hal10c, Hal11c]. **stats** [Min12]. **Staudt** [Rza10]. **steadiness** [Kan17]. **Stedall** [Lev14o]. **Stein** [Tol17g, Zet13]. **Steiner** [Hun13d, Abb15, ASH19a, Bea19, CR14, Dac16, Haj17c, Hva11, Sco17d]. **Steinhaus** [Ste16a]. **step** [Cag18, Mac16a, Lor18h, Sik12, Mac16a]. **Stephan** [Shi18a]. **Stephen** [Gib12b, Hal17d, Hun13c, Mac13c, Tol17k, Tol19c]. **Stephenson** [Ano14n]. **steps** [Tol16c]. **Sterrett** [Hoa14b]. **Steve** [Hop19, Mac14d]. **Steven** [Bay14a, Hud10c]. **Stewart** [And19, Bay14d, Dav18, Gri14f, Gri14a, Haw11, Hop18b, Lev10d, Lev11c, Sto17b, Tol10, Tol15f, Ste08, Ste09a, Ste09b, Ste14]. **Stigler** [Tol17k]. **Stillwell** [Hoa12, Lor17e]. **stimulants** [Bat14]. **Stipp** [Lor18f]. **Stirling** [Gri12d, Jam15b, Jam15d, LN17, Lor15c]. **Stochastic** [KS14, For12, MD10, Sch16c, App14a]. **stochastics** [Çin11, Hai12]. **stock** [GS11]. **Stoica** [Cou12]. **Stop** [HP10a, PdVF14]. **Stop-sign** [HP10a]. **stor** [Bro12a]. **stor-** [Bro12a]. **stories** [Ada09b, Gri14d, Hun12a, LPE+12, Lor11g]. **story** [And13c, Bag11, Bay11b, Gib17b, Gib18b, Gri13f, Gri18e, Hav12, McB18, Ros09]. **Stothers** [Gib11c]. **Stråhle** [RR11]. **straight** [Ban18, GG12a, Lor13i]. **Strange** [GG08c, Lev10e]. **strategic** [Smy10]. **Strategies** [Joh12, And17, Lor17f]. **Strategy** [Hal17d]. **Strauss** [Eat12]. **streams** [Fos18]. **Street** [Mah10a, Haw12]. **Street-fighting** [Mah10a, Haw12]. **strictly** [MM15]. **string** [YN10, YN12]. **strings** [Ada10, Lew14, War13a]. **stripping** [Whe13]. **structure** [Hud10a, Hun15, JST12]. **Stubhaug** [Gib12a]. **Student** [BL12, Cro10, Dol10a, Dol10b, Dol11c, Dol11d, Dol11e, Dol12e, Dol12f, Dol12g, Dol13b, Dol13c, Dol13d, Dol14b, Dol14c, Dol14d, Dol15c, Dol15d, Dol15e, Dol16c, Dol17c, Dol17d, Dol17e, Dol18c, Dol18d, Dol18e, Dol19e, Dol19c, Dol19d, Hal14]. **students** [Bau13, Iva09, Lor17i, Yeo17c, Lor11f]. **studies** [Mac14c, RJPG12, R+12]. **Study** [Alc12, Alc13, FMK18, Fos14b, Hal17a, Hal17c, Sto14a]. **Studying** [Cel17]. **Stylianides** [Hun17f]. **subdivision** [Pop12]. **subsets** [Mez14, Pla14]. **substitution** [Hos17a, Ste17e]. **subtle** [Wel12]. **subtraction** [Gau19]. **subtriangles** [Lor13b]. **Success** [Hal12b, Gri14d, LPE+12, Hal12b]. **Sudoku**

[Bev13, BT09, Kee18, FF19, RT11, War10b, Job10, MM12]. **sudokus** [SLMRR10]. **Sue** [Hal14]. **suggestion** [Kan17]. **suitable** [BCSS19]. **Suk** [Von17]. **Suk-Young** [Von17]. **Sulbasutras** [Ste12b]. **Sultan** [Yeo17c]. **Sum** [NS87, Ber18, Gri12b, Gri15e, Haj17b, Hir11f, Job18b, Lor16g, Nur13, Sco14c, Sco18f, Shi19d, Ste19a]. **Summing** [Sub14b, Gri12e, Shi17b, Tol17i]. **Sums** [AM11, Bur10b, KR17, MGC19, Bra17, Cag18, Cer16, Cri12a, Der15, Der19, GB12, Gri15c, Jam15b, Jam17, Jam19a, JLU10, Loo11, Lor15a, Osl12a, Shi13d, Tre17, Tsa11]. **Sundar** [App14a]. **Superbrain** [Lev11e]. **support** [BL12, Hal14]. **surd** [Vil15]. **surely** [Ben12a]. **surface** [Jew10, Sim11b, Vil14a]. **surfaces** [BL10, EF10, Hun13c]. **surprising** [ES16, Hir11d, Lor13h, dVS18]. **survey** [JM09a, JM09b]. **surveying** [Lam19]. **Susskind** [Jac19]. **Sutherland** [Shi10g]. **Swetz** [And13a, Sut10]. **Sylvester** [De 12]. **symbolic** [Lev12f]. **symbols** [Lor15g, Maz14, Pas11b]. **symmetric** [App11, Bea12c, Dol19b, Far18, Mac14e, VV09, Gri11a]. **Symmetrical** [Fos12a]. **symmetries** [CBGS08, Eat12]. **Symmetry** [GW09, HS13, Ron07, Yan14, Cou12, HTSE09, KK17, Leu18, Lev17b, Shi14e, Hun12b, Wil10]. **system** [Pla10c, Shi14b, Shi18c]. **Systematic** [Mac14c, RJPG12, R$^+$12]. **Systems** [Hun10a, ÅM08, AF12, Gue08, Mac10b, Sma12, Cou10, Cou13]. **Szpiro** [Gri11b, Hud13b].

T [Gri11c, Gri14d, Tol15a]. **T.O** [dV14]. **Taalman** [Bev13, Kee18]. **table** [Bur10c, Cri10, Nie10, Pis16, Pur11]. **tables** [Bea15a, Osl10a]. **tackles** [Lor11d]. **tactics** [Lev17e]. **Taking** [RT11, Fos12c, Bev13, Kee18]. **Talagrand** [Sch16c]. **tale** [Bau13, Dev08, Gro18]. **talented** [Lev17f]. **tales** [AG14, Tol15c]. **Tall** [Hal16, Sto17b]. **Taming** [KP14, Hoa15b]. **Tammadge** [How16]. **Tan** [Shi17a, Gla19]. **tangent** [Sco11d]. **tangential** [GOD18a, Jos17a, Jos17c]. **Tangents** [Gla13]. **Tantrix** [BEH17]. **Tanya** [Cou12]. **Tapp** [Hun17d]. **Tarry** [Kee11]. **taster** [Pas16]. **tasty** [CDF18]. **Taubes** [Gib13a]. **Tavares** [War10b]. **Taylor** [Rot10a, Far13]. **tbe** [For12, Gri13a]. **teach** [Lev14c, Orz12]. **teacher** [Ada10, Bau13]. **Teachers** [Neu16, Iva09, Lor11f]. **Teaching** [Jam13a, Ran14, SSJ19, dS13, Ada10, ADLM18, AR14, And17, Fie07, Sto14b, Zar10b, Tol17j, Tol19e, dV14]. **technique** [LN17]. **techniques** [Cve12, JS08, Mac10c, Shi14d, Yeo17b]. **Ted** [Tol18c]. **telescoping** [Tol19h]. **template** [Sch16a]. **temple** [FR08, Sil18c]. **ten** [BY08, Tol18d]. **Tensor** [Mac16c]. **Tent** [Gri10b]. **Tenth** [Hir11h]. **tents** [FMS10]. **Teresa** [Tol13]. **term** [VSR13]. **terms** [JL17, Jam18a, MS13, Mil11, Nur14b, Pur19, Sco18d]. **Terrell** [Mac11b]. **Terrence** [Zet19]. **Terry** [Zet19]. **tesseract** [Sud13]. **test** [Cha11, Gra13, Jam18c]. **Tests** [Has19]. **Tethering** [Mah18c]. **tetrahedra** [Haj18b]. **tetrahedral** [Edg16]. **tetrahedron** [Bea15b, Kuc12, Lin11, Nic12b]. **Tewkesbury** [Gri14d]. **Textbooks** [Mer15]. **Texts** [App14a, Cou10, Cou12, Gib13a]. **Thayer** [Rua12]. **Thébault's** [Vig19]. **Their** [Lev12e, Ban14b, Gib17a, Hun10b, McL19b, Mit12, Tub09]. **them** [Bur10b, Hop16]. **theme** [ASH19a, Gor19a, Lor10i, Lor12j]. **Theorem**

[Rib18, Shi11b, Spo18, Abb15, Bar17, Col19, CR14, Dac16, De 13, De 14a, Gri12g, Haj10, Haj15a, Haj17c, Haj19, HJ18a, Jos16a, Jos17d, Jos19b, KK11, Kar18, Kha13, Lam19, Luz16, Mac11a, MP11, Mer13, Mer17, Nur16, OS15, PG17, Rza10, Sco18d, Sil18b, Sil18c, Sub18a, Wil12, Lev13b, Zet18]. **theorems** [Bea19, Cam18, Cve12, GG13, HP10a, Shi14d]. **theoretic** [Kos14]. **theorist** [Hun18c, Von17]. **Theory** [HS13, Vol11, ABD11, And10a, And10b, AG14, Bea11, Bev14, Cou14, EGH+11, FGR14, For12, Gao08, Gao09, Hal12a, HWHBS08, Har10b, Jac14, Kra15, Mol12, MD10, Pla10b, Rua14a, Ser08, Shi10i, Shi14c, Shi14e, Sur10, Vil07, YN10, YN12, Hem19, Cou14, Hun14a, Jac19, Meg12, Sch13, Sch16b, Shi10e, Shi10f, Shi14e, Shi17b, Tol17i, Tol19b, War10c]. **ThePackage** [Mah19a]. **there** [Hop12, Mac13f]. **thesis** [AF12, Shi14b]. **things** [CBGS08, Gib19c, Eat12]. **think** [Hal16, Hou09, Lev10b]. **thinker** [Tol19f]. **Thinking** [MBS10, Hal17a, Gib18a, Ten12]. **third** [Orm13]. **Thirty** [Fre10b]. **Thomae** [Gri11f]. **Thomae-like** [Gri11f]. **Thomas** [Hun13c, Lev12c, War11b]. **Thoo** [Bay17b]. **Those** [dK09, Pas11b, Gri11e]. **thought** [Ram09]. **Thoughts** [Dol17f, Gri12c]. **Three** [Lor18i, LHS14, Aud14, Bea19, Fre10b, GV15, HJ18b, Kha13, MC09, Shi11a, Ste17c, Sut10, Des12, Lor19a, Hoa14b]. **three-way** [Aud14]. **Thwaites** [Dol15b]. **Tiankai** [Hun14a]. **tide** [Mah14]. **tier** [PF08]. **Tiina** [Gib12a]. **tiles** [Lor16d]. **tiling** [Gri16b, Ste16a]. **Tilings** [Sch16a, Gri17a]. **Tim** [Sto14b, Tin17]. **time** [Hol12b, Rop18]. **times** [KK11, Lev13b]. **Timothy** [Hun18b]. **TIMSS** [And12]. **Tina** [Hal10a]. **Titu** [Lea10]. **Tobies** [De 14c]. **today** [Gri14b, Mac12a]. **together** [Mah15b]. **Toke** [Dav15]. **told** [Ste12c]. **Toller** [Lor11i]. **Tom** [Hoa14a, Sut11, Tol14a]. **Tony** [Lev10a, Lev11d, Lev11f, Tol19b, War10a]. **too** [Hol12b]. **Toolbox** [HF04, FH05, Mah10b]. **tools** [App12, Bay14b]. **Topics** [Ser08, Hai17a, Rou16, Shi10i]. **topological** [Shi10g, Sut09]. **Topologist** [Pas14, vDD13]. **topology** [App18, Ric08b]. **Toss** [Joh12]. **tossing** [Gri12h]. **touching** [Sil18a]. **tournaments** [Gri10a]. **tower** [Bay10a, GG08a]. **town** [Ano14a]. **tradition** [BEU12, Tol14c]. **Traditional** [FR02, Lev11d]. **Train** [Grä11, War13b, War13c]. **trajectories** [Gro18]. **trans** [Gib10a]. **Transcending** [BEU12, Tol14c]. **transfers** [Rea10a]. **transformation** [Gri15a]. **transformations** [Fer16, Lor15f, Wil12]. **transition** [JM09a, JM09b, Lev12a]. **Translated** [Gib12a, Bay17d, Shi17a]. **translates** [Lor14g]. **translation** [Del19, Knu14b, Knu14a, Dav15]. **trapezia** [Jos18b]. **trapezium** [Jam12, Leu12a]. **treasures** [Ste09b, Lev11c]. **treasury** [Gri17d]. **Treks** [Fox17]. **trial** [Lev13f, SC13]. **trialogue** [Mac17]. **triangle** [Ano14r, BS15, Bro12a, Bro11, CF15, Cri17b, Dol15f, DZH14, Fos12c, Fox15, Fox16, Gor13, Gri08, Gri12d, GOD18a, GOD18b, Haj12, Haj17d, Hir11g, Job13b, Job18b, Jos19d, Kri18, Lev13j, Lor13a, Luk17, Luk18, Luk19, Luz16, Nic14a, O'L10, Ret18, Sco10b, Sco13a, Sco14b, Sco19b, Sha15, Tod15, li17, Gau12a, Bay10b]. **triangle-folding** [Hir11g]. **Triangles** [CF14, Dol15f, Nic14b, Shi11c, Bau13, Dol15a, Dol16b, Dol19a, Dow15,

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