

# A Bibliography of Publications in *Communications of the ACM*: 1970–1979

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## Title word cross-reference

**#9627** [GH79, Lai79].

0 [Fia73]. 1 [Fia73].  $2^n$  [IGK71].  
 $AX + XB = C$  [BS72b].  $\cup[a_i, b_i]$  [FW78a].  
 $\cos(x)/x$  [GK70b, Gau66].  $e^x/x$   
[GK70b, Gau66].  $E_i(x)$  [Pac70].  $Ei(x)$   
[Ng70, Red70].  $f(x) = A \cos(Bx + C)$   
[Spä70b].  $g$  [ES74].  $i$  [Bro76, FR75a].  
 $\int_0^\infty [\exp(-ct)dt/(t)^{1/2}(1+t^2)]$  [Act74].  $k$   
[Fox75, Law77].  $K_0(z)$  [Bur74].  $K_1(z)$   
[Bur74].  $L_1$  [BR74, FH75, RR73a].  $m$   
[LT73, Cha70a].  $n$  [Bra70a, Bra70b, Bro76,  
FR75a, LT73, RG73, Wag74, Cha70a].  $O(n)$   
[Chi78].  $p^n$  [Ack74].  $\pm$  [Sal73c].  
 $\pm f(\pm f(\pm f(\dots \pm f(x) \dots)))$  [Sal73c].  $R$

[Ehr74].  $RC$  [Bou76, Mar72a].  $R \times C$   
[Bou74, Han75a].  $\sin(x)/x$  [GK70b, Gau66].  
 $t$  [Hil70a, Hil70b, Hil73a, Hil81a, Hil81b,  
eL79b].  $we^w = x$  [FSC73].  $w \exp(w) = x$   
[Ein74].  $X + Y$  [HPSS75].

**-Distribution** [Hil70a, Hil81a, eL79b]. **-f**  
[Sal72c]. **-Quantiles** [Hil70b, Hil81b].  
**-Splines** [ES74]. **-word** [IGK71].

**1** [Rus78]. **1.5** [Bak78b]. **10**  
[BKHH78, BBMT72]. **149** [Mer62]. **176**  
[Art63, Sch72c]. **179** [BB74, Lud63]. **191**  
[Kop74, Rel63]. **195** [Sch72d, Thu63]. **1966**  
[Ame66].

**2048-Word** [Wil70a]. **219** [Kas63]. **222**  
[Gau64a]. **236** [Gau64b]. **245** [Flo64, Red71].

- 246** [Boo64]. **259** [Gau65]. **266** [PH65, Sul72]. **282** [Gau66]. **284** [Fle66]. **299** [HP67]. **2nd** [Mor71a].
- 3** [Cla76b]. **3-D** [Cla76b]. **300** [Gun67, Vos73]. **316** [Bro67, Rad71]. **323** [OS68, Roy73c]. **324** [Bay68, Bay73b]. **332** [Sko75b, Wit68]. **333** [HOK73, Obr73, SS68]. **343** [GB68, Nie72]. **347** [GR70, Pet70, Sin69a]. **352** [Cle69]. **357** [Sin69b]. **363** [Gau69, Köl72]. **368** [Ste70a]. **369** [Sch70a]. **370** [But70, CP78a, Pro72]. **371** [McK70b]. **372** [Dun70]. **373** [Whi70a]. **374** [Whi70b]. **375** [Spä70a]. **376** [Spä70b]. **377** [LS70]. **378** [Pan70]. **379** [HM70, Lyn70]. **380** [LB70a, Mac72]. **381** [Kno70, Sch72a]. **382** [Cha70a]. **383** [Cha70b]. **384** [Ste70b, Ste70d]. **385** [Pac70]. **386** [Bra70a, RG73]. **387** [Fie70]. **388** [HKLS70a]. **389** [HKLS70b]. **390** [HKLS70c]. **391** [McK70a, Sch72b]. **392** [Fri72, SM70b]. **393** [Abd70, Sal72a]. **394** [Dia70, Mar72b]. **395** [Hil70a]. **396** [Hil70b]. **397** [CG70, JK72]. **398** [Rob72, Sto70]. **399** [Sep70]. **3rd** [DR72].
- 400** [Pie74b, Wal70]. **401** [Bra70c]. **402** [Whe73, van70a]. **403** [CT71]. **404** [AV73, LT71]. **405** [DWT71, Hei72]. **406** [How71, How73b]. **407** [Gea71a, Nik73]. **408** [Law73, McN71, Sal73b]. **409** [Sch71]. **410** [Cha71a]. **411** [MW71b]. **412** [Čer71, Wat73]. **413** [LS71]. **414** [GS71]. **415** [BL71b]. **416** [Gus71a]. **417** [Gus71b]. **418** [Ein72a, Ein72b, Pie74c]. **419** [JT72, Wit74]. **420** [Ell74a, Ell74b, Gai74b, MC73, Wil72, Wil73c]. **421** [Kuk72a]. **422** [Whi72]. **423** [Mol72a]. **424** [Gen72a, Goo73b]. **425** [HK72, Pag74b]. **426** [Bro72a, Bro74]. **427** [Lin72]. **428** [Byr73b, Yoh72]. **429** [Squ72, Wil73a]. **430** [PM72]. **431** [Pro74, Rav72, Rav74]. **432** [BS72b]. **433** [Aki72]. **434** [Bou74, Han75a, Mar72a]. **435** [Ful72]. **436** [Bol72a]. **437** [Bol72b]. **438** [Bol72c, HMR72]. **439** [Bol72d]. **440** [Gal73]. **441** [Kno73]. **442** [HD73]. **443** [Ein74, FSC73]. **444** [Wag73a]. **445** [Cha73]. **446** [Bro73, PM75]. **447** [HT73]. **448** [BS73]. **449** [Fia73]. **450** [Bul74, KK74, MM73]. **451** [Gol73, Kni75]. **452** [LT73]. **453** [Pie73]. **454** [RK73, She74]. **455** [HW73]. **456** [Fen73, Tes74]. **457** [BK73a]. **458** [RR73a]. **459** [Sys73, Sys75]. **460** [SS73]. **461** [BH73]. **462** [Don73]. **463** [Lew73]. **464** [Rei73b]. **465** [Hil73a]. **466** [Ehr73a]. **467** [Bre73a]. **468** [Pat73]. **469** [LM73]. **470** [Kub73]. **471** [Gau73]. **472** [HR73]. **473** [Pie74a]. **474** [Aki74a]. **475** [Dor75, Fre75, Mas75, Wri74]. **476** [Cli74a]. **477** [Ehr74]. **478** [BR74, FH75]. **479** [Mag75, Pag74a]. **480** [LS74]. **481** [Cra74]. **482** [MR74]. **483** [Wat74]. **484** [Bur74]. **485** [ES74]. **486** [Vei74]. **487** [Pom74]. **488** [Bre74]. **489** [FR75a]. **49** [Her61]. **490** [GZ75]. **491** [Gib75a]. **492** [Gib75b].
- 60** [Atk73, BB77, Led72]. **'68** [ABE77, BLSW71, van72].
- 77** [Bra78]. **'78** [ABB+79].
- = [Kow79].
- A1** [De 73, BS73, CT71, LM73]. **Abstract** [GW75, Gut77, GHM78, Lum73]. **Abstraction** [LT77, LSAS77, SWL77]. **Abstractions** [HRM78, SS77]. **Academic** [MM76, BT79]. **accelerating** [TT82]. **Access** [BCLS74, Cla77, JL78, Mul72, WS75, Wil70a, Bay73c]. **Accesses** [Wil76, Yao77]. **accounting** [Ham73]. **Accumulators** [KBS75]. **Accuracy** [CL79, Fis77, KC73b, Lin75, YS77]. **Accurate** [Lin70, Mal71]. **Achieving** [Fis77]. **ACM** [GH79, Lai79, Abd70, Aki72, Aki74a, Art63, Ash72, ABB+79, BR74, BS72b, Bay68,

BS73, Bol72a, Bol72b, Bol72c, Bol72d, Boo64, BL71b, Bra70a, Bra70c, Bre73a, Bre74, Bro72a, BK73a, Bro73, Bro67, BH73, Bur74, But70, Čer71, Cha71a, CG70, Cha73, Cha70a, Cha70b, Cle69, Cli74a, CT71, Cra74, DWT71, DR72, Dia70, Don73, Dun70, Ehr73a, Ehr74, ES74, Ein72a, Fen73, Fia73, Fie70, Fle66, Flo64, FR75a, FSC73, Ful72, Gal73, Gau64b, Gau64a, Gau65, Gau69, Gau73, Gea71a, Gen72a, Gib75a, Gib75b, GZ75, Gol73, GS71, GB68, Gun67, Gus71a, Gus71b, Her61, HR73, HP67, Hil70a, Hil70b, HD73, Hil73a, HT73, Hor77, HMR72, How71, HKLS70b, HKLS70a, HKLS70c, HW73, HK72, JT72, Kas63, Kno70, Kno73, Kub73, Kuk72a, LB70a, LM73, Lei69, LS70]. **ACM** [Lew73, Lin72, LT73, LT71, Lud63, LS74, Lyn70, LS71, MM73, Mar72a, McC75, McC74, MDB79, McK70b, McK70a, MR74, McN71, MW71b, Mer62, Mol72a, OS68, Pac70, Pag74a, Pan70, Pat73, Pie73, Pie74a, PH65, Pom74, Pro72, PM72, Ral72, Rav72, Rei73b, Rel63, Rev72, RK73, RR73a, SS68, SS73, Sch70a, Sch71, Sep70, Sin69a, Sin69b, SM70b, Spä70a, Spä70b, Squ72, Ste70a, Ste70b, Sto70, Sys73, Thu63, Vei74, Wag73a, Wal70, Wat74, Whi70a, Whi70b, Whi72, Wil72, Wit68, Wri74, Yoh72, van70a]. **activities** [Lee77]. **acyclic** [Han79]. **Adapting** [Sto73]. **Adaptive** [Agn76, Gal73, Hil70c, JP73, Sch70b]. **Adaptively** [Lyn70]. **Adaptively-Noise** [Lyn70]. **Addendum** [MDB79, MN73, MB73, Sim74]. **Addition** [Sou75, War77]. **Additional** [LY72]. **Address** [Jon70, LYD71, Lum73, LY72]. **Addresses** [FS76, Ric71]. **Addressing** [Fab74, FS76, SD76]. **Adjacent** [Hin75, Roy73b, Roy73a]. **Administration** [MN73]. **Advanced** [Aus77, Bob72]. **advantage** [Fra77]. **Aesthetics** [Ers72b, Ers72a]. **Affix** [Cro72]. **agenda** [KC79b]. **Aggregation** [SS77]. **Aid** [AC75a, Gel78, GB77, Lin73, SF79]. **Aided**

[BS70, CP78b, NKHS76]. **Algebra** [Bac78, CP78b, SC75]. **Algebraic** [LS70, Mos71a, BF71a, Jef71, Mor71a]. **Algol** [Atk73, Bal74, BB77, BLSW71, Bro77, Kni70, Led72, van72]. **Algol-based** [Bro77]. **Algorithm** [Abd70, Aki72, Aki74a, Art63, BR74, BS72b, Bar78, Bay68, BS73, Bol72a, Bol72b, Bol72c, Bol72d, Boo64, BL71b, BM77, Bra70a, Bra70b, Bra70c, Bre73a, Bre74, Bre77, Bro72a, BK73a, Bro74, Bro73, Bro67, Bro76, BH73, Bur74, But70, CT77, Čer71, Cha71a, CG70, Cha73, Cha70a, Cha70b, Che70, Chi78, CO76a, Cla76a, Cla78, Cle69, Cli74a, CK77, CT71, Cra74, DWT71, Dia70, Don73, DL78, Dun70, Ear70, Ehr73a, Ehr74, ES74, Ein72a, Fen73, Fen71a, Fia73, Fie70, Fle66, Flo64, FR75a, FSC73, Ful72, Gal79, Gal73, Gau64b, Gau64a, Gau65, Gau69, Gau73, Gea71a, Gen72a, Gib75a, Gib75b, GZ75, Gol73, GS71, GB68, GW75, GW76, GM78, GR70, Gun67, Gus71a, Gus71b, Her61, HR73, HP67, Hil70a, Hil70b, HD73, Hil73a, Hin75, Hir75, HOK73]. **Algorithm** [HT73, Hor75, HMR72, How71, HKLS70b, HKLS70a, HKLS70c, HS77, HW73, HK72, JT72, JB73, Kas63, Kno70, Kno73, KD71, Kow79, Kro74b, Kro74a, Kub73, Kuk72a, LB70a, LM73, LCW74, Lei69, Lev76, LS70, Lew73, Lin72, LT73, Loe70, LPW79, LT71, Lud63, LSWL75, LS74, Lyn70, LS71, MM73, Mar72a, MN72, McK70b, McK70a, MR74, McN71, MW71b, Mer62, MB73, Mol72a, Mor78a, Obr73, OS68, Pac70, Pag74a, Pan70, Pat72, Pat73, PR79, Pet70, Pie73, Pie74a, PH65, Pom74, Pre79, PF76, Pro72, PM72, RZ79, Rav72, Rei73a, Rei73b, Rel63, RK73, RR73a, Rob77, SS68, SO74, SS73, Sch70a, Sch71, Sep70, Sho78, Shw71, Sin69a, Sin69b, SM70b, Spä70a, Spä70b, Squ72, Ste70a, Ste70b, Ste70c, Sto70, Sun90, Sys73, Thu63, Tie70, Vei74, Wad76]. **Algorithm** [Wag73a, Wal72a, Wal70, War75, Wat74, Wat70, Whi70a, Whi70b, Whi72, WS75,

Wil74, Wil71, Wil72, Win71, Wit68, Wri74, Yoh72, van70a, BJ71, BL71a, CR79, Cha72, CO76b, DKHM76, FLB73, HZ78, KJ85, Mif70, Pat71a, Pat71b, Pee83, Ste73, And76, And79, AV73, Bay73b, BB74, Bou74, Bou76, Bra70d, Bro74, Bro76, Bul74, Byr73b, Col78, Dav76, De 73, Dor75, DH73, Dut76, Ein72b, Ein74, Ell74a, Ell74b, Er85, Fei75, Fre75, FH75, Gai74b, Gau66, GK70b, Ged79, Goo73b, GR70, Gus78, HM72, Han75a, HKM80, Hei72, Hil81a, Hil81b, HP85, HOK73, How73b, Ito76, Jan77, JK72, Ker73, KK74, Kni75, Köl72, KD71, Kop74, KM76b, Lau73, Law73, Lea79, Lon70, eL76, eL79b, Mac72, MC73, Mag75, Mar72b, Mas75, Mis75, Mor76, Ng70, Nie72]. **Algorithm** [Nik73, Obr73, Pag74b, Pet70, Pie74c, Pie74b, PM75, PS76, Pom76, Pro74, Rad71, RG73, Rav74, Red70, Red71, Rob72, Roy73c, Sal72a, Sal73b, Sch78a, Sch72a, Sch72b, Sch72d, Sch72c, She74, Sip77, Sko75b, Sko75a, Sko78, Ste70d, Sul72, vSdH79, Sys75, Ten77, Tes74, Vei77, Vos73, Wat73, Whe73, WGL76, Wil73a, Wil73c, Wit74]. **Algorithmic** [AA71]. **Algorithms** [Agn76, BS77, BJ74, Buz73, Cla76c, CR78, Deu72, Ehr73a, FGG78, GM74, Hir73, Hir78, HT73, Ive76, KR81, Lew73, Lon70, Mal72, McM78, McM79, Red71, Roy73b, SD76, Sla79, Ten78, VD75b, Ver72, KJ74, Knu72a, Knu76, Lin71, Pro71, Roy73a, Fri72, VD75a]. **Aliasing** [Cro77]. **Allocation** [BB78, Bur76, Fer71, Fre74, GK74, GB77, HMT79, Hir73, IGK71, LSWL75, MPY79, Mor74, Nie70, Nie77, SP74a, Sho75, Sho77, Ham73, MD70, SP75]. **Allowable** [Blo70]. **Allowing** [Fen71b, WM92]. **Almost** [Kub73, IM70]. **Alphabetic** [Byr73b, Yoh72, Byr73a]. **Alphard** [SWL77]. **Alston** [Wil75b]. **Alternating** [SS73]. **Alternative** [Kes77a, WS75, Bal74]. **Alternatives** [MS77b]. **Altran** [Hal71]. **Always** [MW78]. **Ambiguous** [AJU75, KJ73, Mau70]. **American** [Ano70c, Ano70d, DD77a, DK78]. **AMESPLOT** [Hir70]. **Among** [Boy79, LPW79]. **Analyses** [CR78]. **Analysis** [Abe74, AC76, Bar78, BHH78, BC75, Car75, CT77, CP78b, CO76a, CO76b, Dam70, Fis77, GW75, GW76, Hod70, HW73, KM76a, Lea79, Lin73, Lum73, MS77b, McM78, McM79, Nie71a, NKHS76, OC71b, Ric72b, Ros77, Sch77, Sed72, SF79, SBB72, SR73, TP77, TP72, Wad76, Wal76, Weg75, Woo70b, de 69, Lyo74, Pro71]. **Analytic** [LS71, Ray76, Rok73, Str74a]. **analyzer** [Wil75a]. **anatomy** [KC79b]. **Ancient** [Knu72a, Knu76]. **AND/OR** [Hal73]. **Angle** [Kli71, Kno70, Sch72a]. **Animation** [BW76, TCCH71]. **Animator** [TCCH71]. **Anomalies** [FGG78]. **Anomalous** [Sho77]. **Anomaly** [Dem70, Pom70, Wil76]. **ANSI** [Ame66]. **Answer** [Nie70]. **Answerer** [SBS70]. **Answering** [Sim70, Wal78]. **APL** [GJ79]. **Application** [Alt79, BS70, BW74, FM78a, Led72, LST78, Mar76, SBGN70, SL71, TCB78, BF71a, van77]. **Applications** [BER76, HHKW77, Hea71, Hor75, Ros76]. **Applied** [GR73, Gon76, HW79, PM78]. **Approach** [BCLS74, Chr72, Fra73, KFM71, Lyo78b, MV72, MS77a, Mil77, ML72, Mul77, OG76, RF77, SS76, Shw74, Ski74, WAG77, BYG92, Bal74, Fol71, Lyo74, van77]. **Approaches** [BK73b, Hun70]. **Approximate** [RS72, RS74, War78, Ste73]. **Approximating** [Pat72, Yao77]. **Approximation** [GS71, NW79, RR73a, Wat70, You74, Dun72, LR70, Mon70]. **Approximations** [Phi71, Wil74, Wil70b]. **Arbitrary** [Abd70, FS75, Sou75, Sal72a]. **Archaeology** [Alt72, BW74]. **Architecture** [BFS78, CP78a, Fos72b, SS72a, Tan78]. **Architectures** [Lun77, PG74]. **Arcs** [Bre77]. **Area** [FS75]. **Argument** [GZ75, Mor76, Wil70c]. **argument/function** [Wil70c]. **Arguments** [Bur74, Gau65, Jan77, Pre74]. **Arising** [KS77]. **Arithmetic**

[DG73, GM74, How71, How73b, LM73, Mal72, RL71, Ehr70b, RG71, Sto73].

**ARPANET** [KNO76a]. **Array** [KBS75, MR73, Mul77, PA72]. **Arrays** [DEL78, Deu72, LK72, Rey79, Sit70]. **Arrow** [Cra74]. **Art** [Knu73, Knu74a]. **arts** [LRT77]. **aspect** [BF73]. **aspects** [Est73]. **Assembling** [Szy78]. **Assertions** [MW78]. **Assessment** [SC78, WG79]. **Assigned** [O'R72]. **Assignment** [BL71b, Wil71, BL71a]. **assist** [Fra70]. **Assisted** [Win71]. **Associated** [Cle69, Fri72]. **Associative** [Ben75, SB77]. **Assumptions** [Wag70]. **Asymmetric** [RS74, Wil73b]. **Atlas** [Lav78]. **Atoms** [Les79]. **Attitudes** [Nol77]. **Attribute** [JOR75, Lum70, RL74, WC71]. **Authentication** [EKW74, NS78]. **author** [FLB73, KJ74]. **authored** [Dwy72]. **Automata** [Arb72]. **Automated** [Kli78a, OC71a]. **Automatic** [Dam70, DB76, Gea71b, Jef71, Low78, Low70, MW71a, MM78c, ML72, Pat73, Ric72b, Rok73, SWY75, Sch75, SF71, SN73]. **Automating** [Alt79]. **Automation** [AKA71, Zd77]. **Automaton** [Bav70]. **Automorphisms** [Bav70]. **Availability** [CP78b]. **available** [Sto73]. **Average** [DEL78, FM71, FM72, Jon72, ST74]. **AVL** [Fos73, Tan72]. **Avoidance** [Dev77]. **Avoiding** [Fra73]. **Axiomatic** [Hun70, Mac73, OG76].

**B** [HS78, Sny78a, Sny78b]. **B\*** [McC77]. **B\*-Trees** [McC77]. **B-Trees** [Sny78a, HS78, Sny78b]. **Babylonian** [Knu76, Knu72a]. **Back** [CHI<sup>+</sup>74]. **Back-end** [CHI<sup>+</sup>74]. **Backtrack** [BR75]. **Balanced** [Hir76, KFSK76, Kos78, RZ79, ZM78]. **Balancing** [BS77, Pie75]. **Band** [Cra73]. **Band-Symmetric** [Cra73]. **BANDSOLVE** [Sch72d, Thu63]. **Banks** [Cod70]. **Base** [CHI<sup>+</sup>74, Car75, Gol75, OC71b, Shn73, SC75, Sou75, Wal78, Bae70]. **Based** [Aki72, Aki74a, And76, And79, Fab74, Gai72, Lau75, Pag72, Rey70, RL74, Wil74, WC71, Aki74b, Low70, Mor70a, Bro77]. **Bases** [DPR70]. **Basic** [Chr78, Gib75a, Gib75b, Lie76, May79]. **Basis** [KW75, Mac73]. **Batch** [BM76, Wen78]. **Be** [Bac78, Par72a, Gri77b, McC75]. **Behavior** [RR73b, Sho77, TS77, Ber70]. **Bel** [HZ78]. **Bel-Petrov** [HZ78]. **Believing** [Gri77b]. **Bell** [LB70b]. **Bessel** [Bra70d, Sko75a, Bur74, Gau64b]. **Best** [AA71, Bay77, BK73b, Phi71, Sha77, Sho75, Van74]. **Best-Fit** [Sho75, Bay77]. **Best-Match** [BK73b, Sha77, Van74]. **Beta** [BB74, Gau64a, Lud63, PS76, Che78]. **Better** [Fos72a, MW78, Led74]. **Between** [ER78, Hal73, Hec78, Lin75, Fra72, GC72]. **Beyond** [Win79]. **Bibliographic** [AC75a]. **Biharmonic** [Ehr73b, GS72]. **Binary** [Ben75, BER76, Cha71b, Cha73, DL78, FM71, FM72, Gla71, HKLS70b, Hur71, Jon72, Kno77, Lau73, Lev72, MN72, PM78, RZ79, Wal71, War75, de 69, Ehr70b, Rad70b]. **Binding** [Bak78b, Ham76]. **Biomedical** [Hod70]. **Bit** [IGK71]. **Bivariate** [Aki74a, And79, Don73, Aki74b, BP73]. **BLISS** [WRH71]. **Block** [Kha72, Sit78]. **Block-Transfer** [Sit78]. **Blockage** [BC75]. **Blocks** [BL79, Fle66, Gim72, Hin75, IGK71, Ito76, Pat71a, Pat71b]. **BMD** [Fra76]. **BMDP** [Fra76]. **BNF** [Led74]. **Bonus** [Mor72b]. **Boolean** [GH79, Lai79, Han77, Mar72c, Pin70, de 70]. **Bound** [Bra70b]. **Boundary** [Kim70, Hos73]. **Bounded** [Bra75, Fis75, Lin74, Loe70, Rob77]. **Bounded-Context** [Loe70]. **Bounds** [FR75b, Mai77, Yap76]. **Boyer** [Gal79]. **Braille** [RF72]. **Brains** [Arb72]. **Breaking** [PR79]. **Brélaz** [Pee83]. **Brent** [FLB73]. **Broadcast** [DM78]. **Bromwich** [Pie73]. **Brother** [OSW78]. **Brown** [Pee83]. **Bubble**

[BL79]. **Buddy**  
 [Bur76, CT75, Hin75, PN77, SP74a, SP75].  
**Buffer** [Fer71, Gel73]. **Buffers** [BC75].  
**Burnett** [Sto74]. **Business**  
 [Alt79, MT71, Zd77, LML74]. **Byte** [Lam75].

**C** [GR70, Smi75b, Smi75a]. **C1** [Bro73]. **C2**  
 [JT72, Squ72]. **C5** [FSC73, LS71, Rad71].  
**C6** [Pie74a]. **CAI** [Dwy72, Kof72].  
**Calculation**  
 [Ein72a, Ein72b, Jon70, Pie74c, SS73, ST74].  
**Calculi** [BW70, BW72b]. **Calendar**  
 [Lam79, Ano70e]. **Can**  
 [Bac78, Led74, Wir77b]. **Canonical** [WC71].  
**Capabilities** [PKT73]. **Capability** [Fab74].  
**Capability-Based** [Fab74]. **Cardiography**  
 [Hor75]. **Care** [Was75]. **Carlo** [Gal73].  
**Carotid** [SKK76]. **Case**  
 [Car77, Gal79, MT79]. **Cauchy** [MR72].  
**caused** [Par79]. **CCD** [Sit78]. **celestial**  
 [Jef71]. **Cell** [BJ74, Fen71b, JB74]. **Cellular**  
 [LK72, NW79]. **Center** [CH76]. **Central**  
 [Sla79]. **centralization** [OH72]. **Certain**  
 [ET75, FJ70, Ham71b, BP73, GK70a].  
**Certification**  
 [AV73, Bra70d, DD77b, HM72, Kni75, Köl72,  
 Kop74, Lei69, Lon70, Mac72, Ng70, Nik73,  
 PM75, RG73, Red71, Sul72]. **Chain**  
 [Chi78, Bay73c]. **Chained** [Hu72, Ken72].  
**Channels** [Mer78]. **Character**  
 [Gim74, KW75]. **Characteristic**  
 [Cle69, Fri72]. **Characteristics**  
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[Cli74a, Cli74b, ES74, LS74, Nil70]. **Split** [She78]. **Spoken** [Mil74]. **Squank** [HM72, Lyn70]. **Square** [Ehr73b, Gol73, MS70, Wil70b, BCKH75, Kni75]. **Squared** [HP67, HP85, eL76]. **Squares** [Art63, FS73, Kro74a, Sch72c, Sha75, Spä70b, Kro74b]. **SSTF** [Wil76]. **Stability** [Lin75, PW75]. **stabilizing** [Dij74]. **Stable** [MW71b, MW71c]. **Stably** [Han75b, Cot75, Nel79]. **Stack** [BW77, TS77]. **Stage** [LS77, Nol73, Wai70]. **Standard** [CL79, Han75b, Cot75, Nel79, Ano70c, Ano70d, DH76]. **Standards** [ANS69, ANS71, Lee77, Ros76]. **Stanley** [Ste74]. **Start** [EF78]. **Starting** [Wil70b, Igu72]. **State** [MT71, vdBM75]. **State-Space** [vdBM75]. **Statement** [CS70, EC72, Dij68]. **Statements** [JP73, Knu74b, Par75, PKT73]. **States** [Ano70a]. **Static** [AA79b, AA79a, Spr77]. **Statistic** [Pom74, Pom76]. **Statistical** [Fra76, KC73b, Sly74]. **Statistics** [EB77]. **Status** [MM78a, MM76, Gal71, Ham71a]. **Step** [Dit76, SR78, BF71b]. **Stepwise** [Wir71]. **Stochastic** [Sil76]. **stopping** [Lin71]. **Storage** [Bac72, Ben72a, Ber77, Bla70, Bre73b, Bur76, CH75, Day70, FP79, Gel73, Gho75, GR70, Hah74, Hin75, Hua73, IGK71, JB73, Luc78, LSWL75, MPY79, Mil77, Mor74, Mot79, Pet70, Rob77, Sal73a, She73, SP74a, SP75, Sho75, Sin69a, Tan72, Wag73b, Wil71, CR72, FLB73]. **Storage-Efficient** [CH75]. **store** [MM70]. **Storing** [TY79]. **Stormy** [Mos71b]. **Strategic** [WD78]. **Strategies** [Sho75]. **Strategy** [Sit78, Smi70a]. **Stratified** [Gal73]. **Strength** [CK77]. **String** [AC75a, BM77, Gal79, TT82]. **Strings** [AA71, DS78, Dit91, ER78, Lit91, Pea90, Pea91, Sav91, Han74, KMP77]. **Structural** [SKK76]. **Structure** [CG77, EC72, FM77, Low78, MPT77, Sch75, Vui78, WC71, FM78b]. **Structured** [Abr74, Bri72, GP73, Hol77, Knu74b, Lem79, PS75, RL77, Sch77, SS74a, Tan78, Weg73, van77, AC75b]. **Structures** [Bac72, Car75, Cas73, Cla78, CE70, Ear71, Fis75, Ger75, Gut77, Hol77, LM75, Les79, Lin74, Mil73, Rob77, SS74a, GJ79, Low70, vP70]. **Structuring** [Hoa74]. **Student** [Hil81a, Hil81b, eL79b, Dwy72, Hil70a, Hil70b, Hil73a]. **Students** [And78]. **Studies** [Fin77]. **Study** [Ard76, Car77, CG77, Fox72, KNO76a, KC73b, LD76, LYD71, CR72, GK70a, LML74, LY72]. **Style** [Bac78]. **Subexpression** [DG73, RG71]. **Subgoal** [MW77]. **Sublanguage** [BCKH75]. **Subprograms** [Cli74a, Fra77]. **Subroutines** [Bro73, PM75]. **Subsequences** [Hir75, HS77]. **Subsets** [Ehr74, Dun72]. **Substitution** [PR79, Sch77]. **Substring** [Boo73, Har71b, Sun90]. **Sufficient** [FM78a]. **Summation** [Abd70, Gre72, Lin70, Mal71, Wal71, Sal72a]. **Supervisory** [Gai72]. **Suppression** [MR79]. **Surface** [Aki74a, And79, Art63, Cla76c, Dor75, Dut76, Fre75, FKU77, HB78, Mas75, Sch72c, vSdH79, Wri74, WAG77, Aki74b]. **Surfaces** [Boy79, Cla76b, Lev76]. **Survey** [ABE77, Hal71, LRT77]. **Switching** [Cha72, MB76b]. **symbol** [Hea71]. **Symbolic** [Kin76, LS70, Mos71b, HZ78, Mor71a]. **Symbols** [NS76]. **Symmetric** [Cra73, HW73, McK70a, RS72, Rei73b, Sch72b, Ste70b, Ste70c, Ste70d, EH75]. **Symposium** [Kli79a, KC79a, DR72, Mor71a]. **Synchronization** [Hab72, Kes77a, RK79]. **Synchronizing** [Hil73b]. **Syntactic** [Ars79, GR75, Hor75, Wir77b, vP70]. **Syntax** [Lyo74, Mil70]. **Syntax-Directed** [Mil70, Lyo74]. **Synthesis** [Bra75, CR76, MW71a, Weg74a]. **Synthesizing** [Fre78, LCW74]. **Synthetic** [HB78, SS76, SK74]. **System** [BM76, Bal73, BR74, BS71, BBMT72, Boy74, BS70, BB78, Bri70, BW74, Bur76, Car73,

CMMS79, CT75, EL79a, Eld70, Fab73, FB73, FH75, Gai72, Ger75, GS71, GCD73, Han77, HL77, Hin75, Hir70, Hoa74, Hod70, Hol71, HWBC77, HH70a, HH70b, IC78, ID72, KC75, Kno74, Kno76b, Kno77, Lam78, LS76, Lau75, Lip79, Lis72, Luc74, Luc78, Lyn72, MR73, MS73, Pac73, Pan70, Pfe75, RT74, Rus78, SW77a, SW77b, She73, SBB72, SKK76, TCCH71, Wal78, Wen78, WDT76, Win71, WCC<sup>+</sup>74, Zd77, Ben72b, BBF<sup>+</sup>70, BED77, Dwy72, Eas72, EGLT76, GH79, Hal71, Kim72, Kli78b, Lai79, OC71a, Pag70, RB70, Smo76, Wai70, Wal72b, CP78a]. **System/370** [CP78a]. **Systematic** [AS78]. **Systems** [ACD74, Alt79, Bae72, BCLS74, BS76, Bob72, BS79, BC75, CGM79, CP78b, CB74, CH76, CMM72, Cou73, Cou75, Dij74, Fen71b, Fra71, Fri72, GD78, HFC76, HRU76, HMT79, Kub73, KC73b, Lyo78b, Man79, MN73, Min76, NKHS76, Par72a, PS75, PN77, PF78, Ros72, SC79, Sch78b, Sil76, Sim70, Ski74, SM70b, Ste74, Sto88, WRH71, Ash72, BF71a, BCR72, DR72, Fol71, Fra72, Lin71, MP74, Mor70a, Mor70b, SC78, WG79, Led74].

**T** [Smi75b, Smi75a]. **T.** [Smi75b, Smi75a]. **Tab** [PBH78]. **Table** [Bat75, Day70, Dia70, IR78, IGK71, Mar72b, SS76, Shw75, TY79, WDT76, Bay73c]. **Tableless** [Rob72, Sto70]. **Tables** [Ack74, Ban77, Bay73d, Bou74, Bou76, Cav74, Dat72, GR73, HP78, Han75a, KJ73, Lew78, Low73, Luc72, Lyo78a, Mar72a, Mot79, MR70, Shw71, Shw74, Ver72, KJ74, Pol71, Str73]. **Tape** [Eve74, Ano70b, Ano70c, Ano70d]. **Tape-Sorting** [Eve74]. **task** [Str74a]. **Tasks** [BCS74]. **Tausworthe** [Pay70]. **Taylor** [LS71]. **Teach** [FWY70]. **Teacher** [Dwy72, Smi75c]. **Teacher/student** [Dwy72]. **Teaching** [HWBC77, Lem79, Ros73, SP74b]. **Technical** [AK73]. **Technique** [AHS76, BRT79, Boo73, Car77, GP73, Hah74, HRM78, Hec78, Hir76, IGK71, She78, Shn78, SR73, Han74, IM70, Par72b]. **Techniques** [BR75, Bre73b, BW76, FP79, LYD71, Mor79, NT70, Nie71a, RL77, Roc71, SL71, Ste78, HZ78, LY72]. **Technology** [CH76, Col79]. **Telecommunications** [FFG73]. **template** [SA77]. **Ten** [Bro73, PM75]. **TENEX** [BBMT72]. **Tension** [Cli74a, Cli74b]. **Tensor** [MR75]. **Term** [YS77]. **Terminal** [HL77, RF72]. **Terminal-Oriented** [HL77]. **Terminals** [McG73]. **Termination** [DM79]. **Test** [Aus77, CRSW74, Gel78, Har71b]. **Testing** [Boo73, HSU75, Kin76, Mye78]. **Tests** [Loe74]. **Text** [AK73, BCLS74, Dit91, FB73, Lit91, PM78, Pea90, Pea91, Rub76, Sav91, SW77a, SW77b, Wag73b, BYG92, TT82, WM92]. **Texture** [BN76]. **th** [Bro76, FR75a, Fox75]. **Their** [Cha71b, FM78a, Gim73, GH71, GH72, KJ73, LaL77]. **Theorem** [HOW74, SN73, vdBM75]. **Theorem-Prover** [SN73]. **Theorem-Proving** [HOW74]. **Theorems** [DLP79, GB77]. **Theoretic** [BCLS74]. **theoretical** [Hea71]. **Theory** [Arb72, GR73, Gim73, MV72, Mos72, Shw74, WS74]. **Thinning** [Deu72]. **Third** [PG74]. **Thoth** [CMMS79]. **Threaded** [Bel73, Dew75]. **Three** [Bol72d, Bou70, Fei75, Les79, MW71b, PH77, Wat74]. **Three-Dimensional** [Bou70, Fei75, Les79, Wat74]. **Three-point** [Bol72d]. **Throughs** [Lem79]. **Time** [Bak78a, Bar77, BS71, Blo70, BBMT72, Bre73b, BBC77, BCS74, CMMS79, Cla77, Fis75, FR75b, FH74, Ful74, Gal79, GW74, Lam78, Mam77, McG73, Mor78a, MK73, Nie71a, Pre79, RT74, SF73, Wad76, War78, Wir77a, BCR72, MM70, MD70, NR71]. **Time-** [Mor78a]. **time-shared** [NR71]. **Time-Sharing** [BS71, BBMT72, McG73, Nie71a, RT74, BCR72, MD70]. **Times**

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- Utilization** [DK78, Mor72a, Wil71, BED77].
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