

# A Bibliography of Publications of *Cleve B. Moler*

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## Abstract

This bibliography records publications of Cleve B. Moler.

**6** [Mol00a]. **6600** [DM73]. **6600/7600** [DM73].

**754** [Mol19b]. **75th** [DFM<sup>+</sup>07]. **7600** [DM73]. **77** [GWL<sup>+</sup>92].

## Title word cross-reference

$10^{435}$  [Mol95b]. **2** [Mol74].  $Ax = \lambda Bx$  [MS71].  $AXB^T + CXD^T = E$  [GWL<sup>+</sup>92, GLAM92].

**-by-** [Mol74].

**1** [Mol18a]. **128-bit** [Mol17c]. **15th** [Mol92]. **16-bit** [Mol17b]. **1978** [MS78a].

**2007** [DFM<sup>+</sup>07]. **2012** [Ano12].

**50th** [DFM<sup>+</sup>07].

**A&M** [Dut16]. **Accuracy** [DMW83]. **Accurate** [Mol67b]. **ACM** [ACM72]. **acoustics** [MS70b]. **Affair** [CMMP95]. **Algebra** [GM87a, HM88, Mol80d].

**Algebraic** [FM67, Joh68, FM71, Mol67b, MS78a].

**algebraische** [FM71]. **Algorithm** [GWL<sup>+</sup>92, MS73, MS78b, MS71, MS72, Mol95c, Mol01]. **algorithms** [MS78a].

**Analysis** [GO80, MM83a, Mol68b, Mol68c, Mol69c, Mol69d, Mol83, Mol70]. **Analyst** [Hig99]. **Analytic** [LM67, MRS94].

**anniversary** [DFM<sup>+</sup>07]. **Annual** [ACM72]. **anymore** [Mol15b]. **apology** [Mol99a]. **Applications** [GM87a]. **approximate**

[Efi64]. **Approximations** [FHM67]. **April** [AFI67]. **Ardent** [Mol18a]. **Arithmetic** [Mol17b, Mol17c, Mol19b, Mol19c, Mol96a]. **arrival** [DFM<sup>+</sup>07]. **Art** [DFM<sup>+</sup>07, Mol69e]. **Aspects** [CMMP95]. **Atlantic** [AFI67]. **August** [ACM72, MS78a]. **Award** [Ano11].

**B** [AF69, Joh68]. **basis** [MRS94]. **Bauer** [MB96, Mol15a]. **be** [GM87b]. **Beebe** [Mol79]. **Before** [Mol19b]. **Behavior** [Mol01]. **Benchmarks** [Mol94]. **Beresford** [Mol08a]. **billion** [Mol02b]. **birthday** [DFM<sup>+</sup>07, Mol92]. **bit** [Mol17b, Mol17c]. **BLAS** [Mol88b, Mol88c]. **Book** [AF69, CMR73, Cur78, Joh68]. **Boston** [ACM72]. **boundary** [Efi64]. **Bounds** [FHM67, MP68]. **Broadwell** [GM91]. **Bug** [Mol17a]. **Building** [DGG<sup>+</sup>08]. **Burton** [Mol70].

**C** [AF69, Cur78]. **calculations** [Efi64]. **calculator** [Mol80a]. **can** [GM87b]. **capabilities** [Mol00b]. **CDC** [DM73]. **celebrating** [DFM<sup>+</sup>07]. **certification** [Mol63]. **certify** [BCC<sup>+</sup>72]. **chance** [Mol95a]. **Chemistry** [Mol79, MS78a]. **City** [AFI67]. **Class** [Dub83]. **Cleve** [Ano12, Joh68, Ano11, Dut16, Hai08, Hig99, Mar99, Mol94, Mol95c, Mol95b, Mol95a, Mol95d, Mol96a, Mol96b, Mol97, Mol98a, Mol98b, Mol99b, Mol99a, Mol00a, Mol00b, Mol01, Mol02a, Mol02b, Mol06b, Mol06a, Mol13, Mol14b, Mol14a, Mol15a, Mol17a, Mol17b, Mol17c, Mol18a, Mol19a, Mol19b, Mol19c]. **Cleve\_s** [Mol19d]. **Cody** [MM09]. **collaborative** [BCC<sup>+</sup>72]. **Collisionless** [GM91]. **Community** [DGG<sup>+</sup>08]. **Compiling** [JM94]. **Complex** [Mol98b]. **comprehensive** [Mol68a]. **Computation** [Dub83, Mol02b, LM91, Mol00b]. **Computational** [CMMP95, DFM<sup>+</sup>07, HM88, Jam89, PAB<sup>+</sup>01]. **Computations** [FMM77, FMM80, Mol72b, Mol86, Mol69e, Mol71, Ste68, Cur78]. **Compute** [MV78a, MV78b, MV03, MV79]. **Computed** [DMW83]. **Computer** [AFI67, Ano12, FM67, FMM77, MLB87c, FM71, FMM80, Cur78, Joh68]. **Computer-Verfahren** [FM71]. **computers** [DM73]. **Computing** [DGG<sup>+</sup>08, DFM<sup>+</sup>07, Mol19a, Mol75, Mol83, Mol04a, Mol04b, Mol08b]. **Condition** [CMSW79]. **Conference** [ACM72, AFI67, Hea86, DFM<sup>+</sup>07]. **Conjectured** [CMR73]. **Controversial** [Mol14a]. **Converging** [Jam89]. **Corner** [Mol94, Mol95c, Mol95b, Mol95a, Mol95d, Mol96a, Mol96b, Mol97, Mol98a, Mol98b, Mol99b, Mol99a, Mol00a, Mol00b, Mol01, Mol02a, Mol02b, Mol06b, Mol06a, Mol13, Mol17a, Mol17b, Mol17c, Mol18a, Mol19a, Mol19b, Mol19c, Mol69a, Mol14b, Mol14a, Mol15a]. **CR** [SM22]. **Craftsmanship** [Mol02a]. **Cramer** [Mol74]. **Creator** [Dut16, Hai08]. **crossing** [Mol97]. **Cryptograms** [MM83a].

**Decades** [Mol06b]. **Decomposing** [MS78b]. **Dedication** [GDM87, Mol92]. **Definite** [CMR73]. **Demonstration** [Mol82b]. **Denormals** [Mol14a]. **Design** [GMS92, Mol80a]. **Development** [Cow84]. **Difference** [Mol65]. **differential** [Efi64, Mol96b, Mol97]. **Differentiation** [LM67]. **Difficulties** [Mol75]. **digital** [MS79]. **Directions** [DFM<sup>+</sup>07]. **disseminate** [BCC<sup>+</sup>72]. **Distributed** [Mol86, PPM<sup>+</sup>89, Mol01]. **draw** [PPM<sup>+</sup>89]. **Dubious** [MV78a, MV78b, MV03, MV79].

**education** [PAB<sup>+</sup>01]. **Efficiencies** [Jam89]. **efficient** [MS79]. **effort** [BCC<sup>+</sup>72]. **Eigensystem** [GBDM77, SBD<sup>+</sup>76]. **Eigenvalue** [DM84, MS73, Mol79, MS71, MS72]. **Eigenvalues** [DMW83, FHM67, Mol65, MP68, Nic67, DM78, Efi64, Mol98a]. **eigenvector** [Mol02b]. **Eigenvectors**

[DMW83, MP68, Efi64]. **eigshow** [Mol98a]. **EISPACK** [DM84, GBDM77, SBD<sup>+</sup>76]. **Elimination** [SM22]. **Elliptic** [FHM67, Nic67]. **engineering** [PAB<sup>+</sup>01]. **Equation** [GWL<sup>+</sup>92, GLAM92, Mol72a, Mol96b]. **equations** [Efi64, GM91, Mol97]. **era** [Mol02a]. **error** [DM73, Mol95a]. **Estimate** [CMSW79]. **event** [Mol97]. **examination** [Mol68a, Mol68b, Mol68c, Mol69c, Mol69d]. **Excerpts** [Mol68a]. **Experiments** [HM88, Mol11]. **explain** [Mol98a]. **Exponential** [MV78a, MV78b, MV03, Mol75, MV79]. **Extension** [GBDM77, Nic67].

**factorization** [MS79]. **Fame** [Mol94]. **Faster** [Mol00a]. **Fe** [USE94]. **features** [Mol99b]. **Fernbach** [Ano11]. **FFTW** [Mol00a]. **Finding** [Jam89]. **Finite** [Mol65, Mol00a]. **First** [Mol70]. **Fitting** [Hig99]. **Five** [MV03]. **Floating** [Mol67a, Mol14b, Mol14a, Mol17a, Mol17b, Mol17c, Mol19b, Mol19c, Mol98b, Mol96a]. **floating-point** [Mol98b]. **Format** [Mol19c]. **Formulae** [Jam89]. **Forsythe** [Cur78, DFM<sup>+</sup>07, Joh68, Mol72c]. **FORTRAN** [GWL<sup>+</sup>92, Mol71, Mol72b]. **FORTRAN-77** [GWL<sup>+</sup>92]. **fortune** [Mol94]. **four** [GM91]. **Fourier** [Mol00a]. **Fox** [MS78b, Nic67]. **Friedrich** [Mol15a]. **Function** [Mol02a]. **Functions** [LM67, Mol98b, Mol02a]. **Future** [DFM<sup>+</sup>07].

**G** [Cur78]. **Gatlinburg** [MB96, Mol13]. **Gene** [DFM<sup>+</sup>07, Mol92]. **Generalized** [MS73, Mol79, MS71, MS72]. **generates** [Mol01]. **generator** [MM73]. **geometrical** [MS70b]. **George** [DFM<sup>+</sup>07, Joh68, Mol72c]. **German** [FM71]. **Golden** [Mol96b]. **Golub** [DFM<sup>+</sup>07, Mol92]. **Good** [Mol98a]. **Google** [Mol02b]. **got** [Mol88b, Mol88c]. **Graduate** [PAB<sup>+</sup>01]. **graphics** [PPM<sup>+</sup>89]. **groupie** [Mol07]. **Growth** [Mol06b]. **Guide** [DBMS79, GBDM77, Mol80c, Mol81, Mol82a, MLB87b, MLB87a, SBD<sup>+</sup>76, CM93, LM91, ML90, Mol18b].

**H** [GM87a, Mol92]. **Half** [Mol17a, Mol17b, Mol19c]. **Half-Precision** [Mol17a]. **Hall** [Cur78]. **handling** [Mol97]. **Harmful** [GM87b]. **helps** [Mol98a]. **Henrici** [Nic67]. **High** [USE94, LM91]. **high-performance** [LM91]. **Historic** [Mol18b]. **history** [ML20]. **Householder** [MS78b, MB96, Mol13]. **hyperbolic** [Mol98b]. **Hypercube** [Hea86].

**IEEE** [Ano12, Mol96a, Mol19b]. **image** [MS79]. **Implementation** [GMS92]. **Improving** [DMW83]. **Incorporates** [Mol00b, Mol00a]. **Increasing** [Mol00b]. **Inequality** [AF69]. **infallibility** [Mol95c]. **Insignificant** [Mol14a]. **Installation** [Mol81]. **Integrating** [MS70a]. **integration** [MS70b]. **Interactive** [Mol80b, Mol80a, Mol83]. **Interview** [Mar99]. **inverse** [Mol98b]. **inversion** [Mol63]. **isn't** [Mol95d]. **Iterative** [Jam89, Mol67a].

**J** [AF69]. **James** [GM87a]. **Jim** [MM09]. **Joint** [AFI67]. **just** [Mol15b].

**Knoxville** [Hea86].

**Laboratory** [Mol80b, Mol82b, Mol19d, Mol88a, Mol15b]. **Languages** [Edw09, USE94]. **LAPACK** [Mol00b]. **Laplace** [Mol65]. **large** [Mol95a, Mol99b]. **large-scale** [Mol99b]. **Largest** [Mol02b]. **Later** [MV03]. **Learning** [Mol83]. **Level** [USE94]. **libraries** [MM09]. **library** [GMI85]. **Linear** [FM67, GM87a, Joh68, Mol72a, Mol80d, FM71, Mol67b]. **lineare** [FM71]. **lines** [PPM<sup>+</sup>89]. **LINPACK** [DBMS79, Mol94]. **LOBO.LIB** [GMI85]. **long** [Mol95b]. **LU** [SM22].

**Lyness** [AF69].

**M** [Cur78]. **making** [Mol95a]. **Malcolm** [Cur78]. **March** [DFM<sup>+</sup>07]. **Masinnye** [FMM80]. **matemateskich** [FMM80]. **Math** [Mar99, CM93]. **Mathematical** [Cow84, Cur78, FMM77, FMM80, Hai08, BCC<sup>+</sup>72, GMI85, Mol88a, Mol02a, MM09]. **Mathematics** [DFM<sup>+</sup>07, Mol19a, Mol83]. **MathWorks** [MRS94, Mol06b]. **MATLAB** [Dut16, Edw09, GMS92, LM91, Mol80b, Mol80c, Mol81, Mol82a, MLB87c, Mol88a, ML90, Mol94, Mol95d, Mol96b, Mol00a, Mol00b, Mol02a, Mol04a, Mol04b, Mol06b, Mol08b, Mol11, Mol18b, ML20, Hai08, JM94, MLB87b, MLB87a]. **Matrices** [GMS92]. **Matrix** [CMSW79, DM84, GBDM77, GWL<sup>+</sup>92, GLAM92, HM88, Mol71, Mol72b, MS73, MV78a, MV78b, Mol80b, Mol86, Mol02b, MV03, SBD<sup>+</sup>76, DM78, Mol63, Mol69b, Mol69e, MS71, MS72, Mol75, MS79, MV79, Mol80a, Mol82b, Mol00b, Mol15b, CMR73]. **Meetings** [MB96]. **megaflops** [Mol94]. **Membrane** [Mol18a]. **Memory** [GM87a, Mol86, Mol72c]. **Methods** [Cur78, Dub83, FMM77, FMM80, KMN89, Mol65, MS78a, Mol99b]. **metody** [FMM80]. **Mexico** [USE94]. **model** [Mol96a]. **Moler** [AF69, Cur78, Joh68, Ano11, Ano12, Dut16, Hai08, Hig99, Mar99, Mol79, Mol19a, Nic67]. **Multiprocessors** [Mol86, Hea86].

**N** [AF69]. **NA-Net** [DGG<sup>+</sup>08]. **NATS** [BCC<sup>+</sup>72]. **Net** [DGG<sup>+</sup>08]. **Netlib** [DGG<sup>+</sup>08]. **Nineteen** [MV78b, MV79, MV03]. **NJ** [AFI67]. **Normal** [Mol01]. **normally** [Mol01]. **Notes** [Jam89]. **Number** [CMSW79, MM73]. **Numbers** [Mol95a, Mol14b, Mol95e, Mol01]. **numeric** [LM91]. **Numerical** [DFM<sup>+</sup>07, Dub83, GO80, Hig99, KMN89, LM67, Mol69b, Mol70, Mol80d, Mol02a, Mol04a, Mol08b, Mol68b, Mol68c, Mol69c, Mol69d,

MS70b, Mol83, MRS94, Mol04b, MS78a].

**Object** [Mol17a]. **Objectively** [Mol99a]. **occasion** [Mol92]. **October** [Hea86, USE94]. **ODEs** [Mol96b]. **OOPS** [Mol99a]. **Operator** [Mol65]. **Operators** [FHM67, MP68, Nic67]. **Optimally** [Mol99b]. **Optimization** [Mol99b]. **order** [Mol02b]. **ordinary** [Mol96b].

**Package** [DM84, GWL<sup>+</sup>92]. **PageRank** [Mol02b]. **pages** [Cur78]. **Paging** [Mol72b, Mol71]. **Paper** [Nic67]. **parallel** [Mol95d]. **partial** [Efi64]. **PC** [MLB87b]. **PC-Matlab** [MLB87b]. **Pentium** [CMMP95, Mol95a]. **performance** [LM91]. **Perspective** [Mol15b]. **Ph.D.** [Mol68a, Mol68b, Mol69c]. **Pioneer** [Ano12, Hai08, MM09]. **Pioneering** [Hig99]. **Point** [Mol67a, Mol14b, Mol14a, Mol17a, Mol17b, Mol17c, Mol19b, Mol19c, Mol98b]. **points** [Mol96a]. **Positive** [CMR73]. **Precision** [Mol17a, Mol17b, Mol17c, Mol19c]. **Prentice** [Cur78]. **Prentice/Hall** [Cur78]. **Principles** [Mol70]. **PRO** [LM91, MLB87c, ML90, MLB87a]. **PRO-MATLAB** [LM91, MLB87c, ML90, MLB87a]. **Problem** [Kah71, Mol79, MS71]. **Problems** [DM84, ML67, MS73, Mol80d, Efi64, Mol69b, MS72, Mol99b]. **procedures** [Mol63]. **Proceedings** [ACM72, Hea86, USE94]. **processing** [MS79]. **Professor** [Mol06a]. **Programming** [Edw09]. **progress** [Mol04b]. **Projection** [MS78b]. **Purdue** [Mol68c, Mol69d]. **Putting** [Mar99]. **Pythagorean** [Dub83, MM83b].

**QR** [Mol95c]. **Quadruple** [Mol17c]. **qualifying** [Mol68b, Mol68c, Mol69c, Mol69d]. **Quantum** [Mol79].

**Random** [Mol95b, MM73, Mol01]. **Rapidly** [Jam89]. **Recollections** [Mol07].  
**Refinement** [Mol67a]. **rely** [Mol02a].  
**Remark** [Mol63]. **Remembering** [Mol08a].  
**Remembers** [MB96]. **Replacing** [MM83b].  
**report** [MS78a]. **Research** [Mol80d].  
**Response** [Mol79]. **Restores** [Mol18a].  
**Review** [AF69, CMR73, Joh68, Cur78].  
**Reviews** [Mol70]. **Revisiting** [Mol98b]. **rid**  
[Mol88b, Mol88c]. **Roots**  
[Jam89, MM83b, MS70a]. **Roundoff**  
[DM73]. **Routines** [GBDM77, SBD<sup>+</sup>76].  
**rule** [Mol74]. **Russian** [FMM80].

**s** [Mol19a]. **Santa** [USE94]. **scale** [Mol99b].  
**Schmidt** [CMR73]. **science** [PAB<sup>+</sup>01].  
**Scientific** [DGG<sup>+</sup>08]. **Second** [Hea86].  
**Sensitivity** [DM78]. **September** [Hea86].  
**Short** [Jam89]. **simulations** [MRS94].  
**SIMULINK** [Mol96b]. **Single**  
[Mol88b, Mol88c]. **Single-user**  
[Mol88b, Mol88c]. **Singular**  
[MM83a, Mol98a]. **skills** [Mol02a]. **small**  
[Mol95a]. **Software**  
[Cow84, GWL<sup>+</sup>92, Hai08, KMN89, BCC<sup>+</sup>72,  
GMI85, LM91, MM09]. **Solution** [FM67,  
GLAM92, Joh68, FM71, Mol67b, Mol69b].  
**solutions** [GM91]. **Solver** [Mol72a]. **solvers**  
[Mol96b]. **Solving** [DM84, GWL<sup>+</sup>92].  
**Sources** [Cow84]. **Sparse** [GMS92].  
**Speaking** [Mol99b, Mol99a]. **special**  
[Mol02a]. **speed** [Mol00b]. **sphere** [Mol69a].  
**splines** [MS70b]. **Spring** [AFI67]. **Square**  
[Jam89, MM83b, MS70a]. **Standard**  
[Mol96a]. **Stanford**  
[DFM<sup>+</sup>07, DFM<sup>+</sup>07, Mol07]. **State**  
[DFM<sup>+</sup>07, Mol69e]. **Striving** [Mol95c].  
**Subject** [Mol98b]. **Sums** [Dub83, MM83b].  
**Sun** [ML90]. **supercomputers**  
[Mol88b, Mol88c]. **survey** [Mol67b]. **SVD**  
[Mol06a]. **Sylvester** [GWL<sup>+</sup>92, GLAM92].  
**Symbolic** [CM93]. **Symmetric** [MP68].  
**Symposia** [Mol13]. **Symposium** [USE94].  
**Systeme** [FM71]. **Systems**

[FM67, FM71, Mol67b, Mol74, Joh68].  
**Tale** [Mol95a, Mol95e]. **teaching** [Mol04b].  
**Technical** [Mol15b]. **Tennessee** [Hea86].  
**Tetragamma** [Mol02a]. **Texas** [Dut16].  
**their** [Jam89]. **there**  
[Mol95a, Mol95d, Mol97]. **thoughts**  
[Mol95b]. **Three** [Mol80d]. **time** [Mol95b].  
**Titan** [Mol18a]. **toolbox** [CM93, Mol99b].  
**tools** [MRS94]. **Transforms** [Mol00a]. **trap**  
[Ste68]. **Tribute** [Hig99]. **trig** [Mol98b].  
**Trigonometric** [AF69]. **Trigonometry**  
[Mol98b]. **Twenty** [MV03]. **Twenty-Five**  
[MV03]. **Two** [Mol95a, Mol06b, Mol95e].

**Underflow** [GM87b]. **unifies** [Mol96a].  
**universal** [MM73]. **University**  
[DFM<sup>+</sup>07, Dut16, Mol68c, Mol69d].  
**URAND** [MM73]. **USA** [USE94]. **Use**  
[MS70b]. **User**  
[DBMS79, Mol80c, Mol82a, MLB87a, Mol18b,  
CM93, LM91, Mol88b, Mol88c, ML90].  
**Users** [MLB87b].

**Value** [MM83a, Efi64]. **values** [Mol98a].  
**Variable** [Mol19c]. **VAX** [LM91, MLB87c].  
**VAX/VMS** [MLB87c]. **VAXBARN**  
[Mol18a]. **velocity** [GM91]. **Velvel**  
[Mol08a]. **Verfahren** [FM71]. **version**  
[MLB87c]. **Very** [USE94, Mol95b, Mol95a].  
**VHLL** [USE94]. **Vibrating** [Mol18a].  
**Vibrations** [Mol98a]. **Visits** [Dut16].  
**visualization** [Mol88a]. **VMS** [MLB87c].  
**vycislenij** [FMM80].

**W** [CMR73]. **Ways**  
[MV78a, MV78b, MV03, MV79]. **Wendroff**  
[Mol70]. **where** [PPM<sup>+</sup>89]. **Wilkinson**  
[GM87a]. **Wins** [Ano11]. **Work**  
[Mar99, Mol04b]. **workshop** [MS78a].  
**workstations** [ML90]. **World** [Mol02b].

**Years** [MV03, Mol95b].

Z [Edw09]. **Zero** [Mol97]. **Ziggurat** [Mol01].

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