A Bibliography of Publications of Nicholas Constantine Metropolis

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07 December 2016
Version 1.82

Abstract
This bibliography records publications of Nicholas Constantine Metropolis (1915–1999).

Title word cross-reference

(0, 1) [EM72, MS67, MSS69]. 10 [S.69]. 15 [BMSW54, S.69]. 16 [BMSW54]. 2
[S.69]. 2, 000 [MRvN50]. 2600 [Met41a, Met41c]. 3 [Fan60, RBMW59, Sho60].
6 [Fan60, RBMW59, Sho60], 88062 [S.69], 3 [KKHM54]. 4 [KKHM54], 2
[Met41b]. e [MRvN50, Rei50]. j [Fan60, RBMW59, Sho60]. λ3400
[Met41a, Met41c]. N [EM71a, LM81, MR78a, MR78b]. ν [EM71a]. p [EM75].
π [MRvN50, Rei50]. Qp [EM75]. Xm + 1 [EM75].

- [Fan60, RBMW59, Sho60]. -Adic [EM75]. -cube [MR78b, MR78a].
-dimentional [LM81]. -matrices [EM72].

24 [Sha71]. 2nd [IEE72a].

310-Mev [SYM57]. 35 [Met65d]. 3rd [IEE75].

40th [MKR87].

65th [Nac81]. 6600 [GM70b].

810A [MPF66].

A-bomb [Rav99]. A.M.S [Jun64a, Jun64b]. Absorption [Met41c, Met41a]. ad [Seg86a]. adaptive [CS05]. Addition [FMRR77b, FMRR77a]. Adic [EM75]. Adventures [Met76a]. Against [TMRL89]. Age [Met92, Met93]. ai [Seg83]. Alamos [A⁺85, GM86, MOR76, MKR87, Ano96, Mac91, MN82, Met87b, Met90].

algebra [Gre84, MR74, MR83]. algebraic [RDM62]. Algirdas [Met65d]. Algorithm [BS00, CG95, Hit03, CS05, Guo05, MRT73, Ros03]. Algorithms [FM68, MM67, Met65a, Met68, Met65c]. Almost [Tan61b]. American [MTTT63a]. Amounts [KMTW43]. AMS [Gre84]. AMS-NSF [Gre84]. Analysis [FMRR77b, FMA54, HMM55, Jac77, Met41c, Met65b, SYM57, Tau63b, dHMAB54, FMRR77a, Met41a, Nac81]. Analyzed [Met72a, Met72b, Met72c, Met73]. Anecdotes [TMRL89]. Anniversary [MKR87]. annual [IEE72b]. aos [Seg87]. Application [BM57, BM77, BBL⁺93, ITC74]. Applications [Has70, A⁺85, Nac81]. Applied [BMN70a, HBLM96, Jun64a, Jun64b, MTTT63a, MOR76].

approach [BMP72, BMP73, GM70a]. Approximation [EM71a, Met41b]. April [A⁺85, Jac77, MTTT63a]. architecture [IEE72b]. Arithmetic [AM59, BM75, BM77, GM70b, Ham65, IEE72a, IEE75, Jun64a, Jun64b, MA58, MA63, Met65b, MA65, BM68, FM68, GM70a, MM67, MTTT63a, Met65a, Met65c, Met68, MRT73, MR74, Met76c, Met77, MRT74, Met65d].

arithmetical [MU52, MU53]. Art [Jac77]. Astrophysics [Tau63c]. Atlantic [MTTT63a]. atomic [MR50, MR51a]. atomique [A⁺85].

Automata [Tau63b]. Automatic [TMRL89]. aux [Seg84]. Avisienis [Met65d].

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[Met78, Ano78]. bijective [MR88]. Binary
[Met65d, Met72a, Met72b, Met73, S.69, Met72c, MR74].
Binary-Compatible [Met65d]. Biographies [Cor87, Wei88]. birthday
[Nac81]. Bivins [Fan60, Sho60]. bomb [Rav99]. Book [Bra83, Edw85, Fan60, Ham65, Jun64a, Jun64b, Met50, Met76a, S.69, Sho60, Ste81].
Boolean [FMRR77a, FMRR77b]. Boulder [Gre84]. Brains [Met50].
Braithwaite [Edw85].

C [Edw85, Ham65, Jun64a, Jun64b, Met50]. Cadarache [A+85]. calculated [MRvN50]. Calculation [AM65]. Calculations
[Bar65, FM47, FM50, MRR+53, MRR+52, MBS+58b, MBS+58a].
California [IEE72b]. candidate [CS05]. Carlo
[Bra83, Edw85, GM86, Ste81, A+85, And86, Bar65, BHMU85, DH87, Dys12a, Has70, HMG55, HMG56, Hur85, Mar56, MU49b, MBS+58b, MBS+58a, Met85, Met87a, Mey56, Pes73, RC04, RR54, Ros03]. carrying
[MR77, MT77]. Cascade [MTB59]. cascades [MBS+58b, MBS+58a]. Case
[TML89]. Castle [A+85]. cathedral [Dys12b]. Cave [Edw85]. CDC
[GM70b]. Cell [HMG55, HMG56]. Century [Bra83, Har10, MHR80, Ste81].
certain [GLMU56]. Chains [GM54, Has70, Pes73, Tie94, MRSW78].
Characters [BMSW54]. Chicago [MTTT63a]. City [Kal65, MTTT63a].
class [MS67, MRSW78, MN81]. classes [MR91, MRS91, MRS95].
Classical [LM86a]. Classification [BLMS91, BLMS96]. closer [Har10].
Codes [HWM55]. coefficients [KKHM54]. Collected
[Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c]. Collection
[MHR80, KBM+84]. College [IEE72a]. Colorado [Gre84]. Combinatorial
[MR78a]. Combinatorics [Gre84]. Comments [BHMU85]. Commissariat
[A+85]. Comp [Sha71]. Compatible [Met65d]. COMPCON [IEE72b].
complete [BLMS96]. completely [EM72]. complicated [May76].
Compounds [KMTW43]. comprehensive [GM70a]. Computation
[MR93]. Computations [BHMU85, Hur85]. Computer
[AFI72, AM65, CMR+83, Edw85, HM83, HMG56, IEE72b, IEE72a, IEE75, MA58, MPF66, GM70a, ITC74]. Computers
[Edw85, HM83, Rav99, Rot86, Tau63b, KBM+84, Met60]. Computing
[Bra83, Ham65, HM83, Jun64a, Jun64b, MRR+53, MTTT63b, Met72a, Met72b, Met73, MHR80, MW80, MN82, Met92, Nas90, Ste81, Yos02, MRR+52, MTTT63a, Met72c, MW72, Met93]. Conference
[AFI72, Gre84, GM86, IEE72b, Jac77]. congress [Kal65]. Constantine
[BBS00]. constants [Lia10]. contemporanea [Seg76, Seg83].
contemporary [Seg76]. Continued [RDM62]. Continuous [Tau62].
Conversion [MA65]. Coordinate [MTB59]. Corrigendum [Sha71].
coupled [BMP72, BMP73]. Crises [Edw85]. Critical [KMTW43]. cube
[MR78a, MR78b]. cycles [BLMS91, BLMS96]. cyclic [MSS69]. cyclotomic
[MR84].

Deuteron-Tritium [FMT50]. Development [HBLM96, Mac91].

Dictionary [Cor87]. Differential [BM75, BM77]. digest [IEE72b]. Digit [GM70b, MA58, Met65d]. Digital [HMG56, Dys12b].


Dynamics [LM86b, LM86a, May76].

Early [BHMU85, Hur85, MN82]. Edmund [Met50]. Edward [Har10]. Electron [Bar65]. Electronic [Met41b, Met41a].

Elementary [MS70]. 

énergie [A+85]. energy [LM80, LM81, MBS+58b, MBS+58a]. ENIAC [FMT50, MRvN50, Rei50].

Enrico [Met54, Met55]. enumeration [MS80]. Equation [BM75, BM77, MRR+52, MRR+53, BMP72, BMP73, MR51b]. Equations [FMT49a, FMT49b, Met56, RR54]. Equivalent [S.69]. Era [HM83, MR93].

Ergodic [Tau61b]. Error [AM65]. Errors [Met65b, MW80, MW72]. Essays [HRM00, MOR76, MHR80, Wat04b, KGM+84, Nac81]. Estimation [AM65].

evaluation [MM67, Met68]. Expansions [BMN70a, RDM62]. expectations [Met85]. Experience [Met87b, Met90]. experiences [Ano96].

Experimental [Ham65, Jun64a, Jun64b, MTTT63a]. Experiments [SYM57]. Exploring [Tie94].


Fermi [FMT49a, FMT49b, MR51b, Met54, Met55]. Field [EM75].


France [A+85]. Francisco [IEE72b]. French [Seg84]. Frontiers [GM86, MSWA86].

function [MU52, MU53]. Functions [BMN70a, FMT49b, FMT49a].

Games [Tan63c]. Gauss [EM71b].

generalization [EM71b]. Generalized [BMN70a, FMT49b, FMT49a].


Giant [Met50].

Further [RR54]. Future [HRM00].
Maker [Rav99]. Management [Edw85]. MANIAC [And86, Ano78, DJK+53, HMW55, JM54, LMO+56, MPF66, Met80a, Met78].
Mathematical [HBLM96, MT763b, MT763a, Nac81, May76]. Mathematician [Met76a]. Mathematics [HBLM96, Jun64a, Jun64b, Met76c, Met77, Mey56, A+85, RC04].
Memoir [Met92, Met93]. Memoirs [Met76b]. Meteorology [Tau63c]. Metropolis [Bra83, Edw85, Fan60, Ham65, Hei99, Jun64a, Jun64b, S.69, Sha71, Sho60, Ste81, And86, Ano00, BBL500, BS00, CG95, CS05, DH87, Gub65, HRM00, Hit03, MA87, Rav99, Rot86].
molecules [Met41b, Met41a]. Monte [GM86, A+85, And86, Bar65, BHMU85, DH87, Dys12a, Has70, HMG55, HMG56, Huir55, Mar56, MU49b, MBS+58b, MBS+58a, Met85, Met87a, Mey56, Pes73, RC04, RR54, Ros03]. Monte-Carlo [A+85]. most [Har10].
motions [MU49a]. Multiplication [FMRR77b, HMG56, FMRR77a]. My [Edw85].

N [Bra83, Edw85, Fan60, Ham65, Jun64a, Jun64b, S.69, Sha71, Sho60, Ste81]. National [A+85, GM86, Mac91]. Natural [MOR76]. necklaces [MR83].
Neergaard [S.69, Sha71]. Negative [FMA54]. nella [Seg67, Seg83]. Neumann [Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c]. neutronics [A+85]. News [Ano00]. Nicholas [Ano00, BBL500, MA87, Rav99, Rot86].
Numerical [BMv+59b, FTM50, Jac77, Tau63b, BMv+59a]. Numerology [GM54].


Nac81. **Science** [CMR+83, Edw85, KBM+84, Rot86, ITC74]. **Sciences** [MOR76]. **Scientific** [BHMU85, Hur85, Nas90, Yos02]. **scientists** [Har10]. **scoperte** [Seg76, Seg83]. **Second** [KKHM54]. **SEL** [MPF66]. **SEL-810A** [MPF66]. **Selected** [MTTT63b, Selma] **sequences** [OMRS84]. **Selected** [MTTT63b, Selma] **sense** [OMRS84]. **September** [GM86, IEE72b]. **sequences** [GLMU56]. **Serial** [BMN70a]. **Sets** [Tau61a, MSS73, MRSW78]. **Sharp** [Edw85]. **Shift** [BBL93, GLMU56]. **Serial** [BMN70a]. **Sets** [Tau61a, MSS73, MRSW78]. **Sharp** [Edw85]. **Shift** [BBL93, GLMU56]. **Signed** [Met65d]. **Signed-Digit** [Met65d]. **Significance** [BM75, BM77, MRT73, MR74, MT77, Met76c, Met77]. **Significant** [GM70b, MA58]. **Simple** [May76]. **Simulation** [Wat04b]. **Society** [IEE72b, MTTT63a]. **Software** [Edw85]. **Solution** [BBL93, BLMS96, BMv59b, BMv59a, MS70]. **Solutions** [MR51b]. **Some** [BMN70a, BMN70b, Met85, Sha71]. **Southern** [IEE75]. **Spatial** [Lia10]. **Speed** [Ham65, Jun64a, Jun64b, MTTT63b, Met60, MTTT63a]. **Square** [BMN70a, BMN70b, S.69, Sha71]. **squares** [Met56]. **Stable** [MSS67]. **States** [FMT49b, Jac77, MRR+53, FMT49a, MRR+52, RR54]. **states** [MSS67]. **Statistical** [BMN70b, MRvN50, Sha71, A+85, RC04, Ros03], **stories** [Ano96]. **strings** [MR74]. **Structure** [Met41b, LM80, Met41a, MR78a]. **structures** [BM68]. **Studies** [HMG56, MTB59, MBS+58b, MBS+58a]. **Study** [BMN70b, BM+59b, HMG55, BM+59a, Sha71]. **suas** [Seg87]. **Sulphur** [Met41c, Met41a]. **Summation** [Met79, Met80b]. **Summer** [Gre84]. **Sun** [Wat04b]. **Supercomputing** [Mac91, MSWA86]. **Surveys** [MOR76]. **Symbolic** [LM86b]. **symbols** [RBMW59, Fan60, Sho60]. **Symmetric** [BMSW54, MR88, MNR81]. **symmetrizability** [EM72]. **Symmetry** [MR91, MRS95, LM80, MRS91]. **Symposia** [MTTT63b]. **Symposium** [IEE72a, IEE75, Jun64a, Jun64b, Met60, MTTT63a, OR76, Mey56]. **System** [Met39, Met41c, MA63, MA65, Met41a]. **systems** [MU49a].


X [Seg80, Seg83, Seg84, Seg87, Seg07]. X-rays [Seg80, Seg84, Seg87, Seg07]. xian [Seg86b]. XY [Met41b].

York [Jac77, Kal65].

References


REFERENCES


REFERENCES


REFERENCES


1. See corrigendum [Sha71].


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Frankel:1947:CLD

Fraser:1968:AUA

Fermi:1954:PSA

Faltin:1975:RNW

Faltin:1976:RNW

Faltin:1976:BAA
REFERENCES


REFERENCES


REFERENCES

Homan:1955:STC

Homan:1956:DCS

Herbst:1955:APC

Hecker:2000:EFH

Hurd:1985:NEM


REFERENCES


REFERENCES


Metropolis:1958:MCC


Metropolis:1958:MCCb


Metropolis:1939:NUB


Metropolis:1941:SEBa


Metropolis:1941:SEBb

REFERENCES


[Met64a] N. C. Metropolis. ICR quarterly report. Technical Report TID-21413, Institute for Computer Research, University of Chicago,
REFERENCES

Chicago, IL, USA, August 1, 1964. 231 pp. URL http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=4659841&query_id=0.


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Metropolis:1953:ESC

Nicholas Metropolis, Arianna W. Rosenbluth, Marshall N. Rosenbluth, Augusta H. Teller, and Edward Teller. Equation of state calculations by fast computing machines. *Journal of Chemical Physics*, 21(6):1087–1092, June 1953. CODEN JCPSA6. ISSN 0021-9606 (print), 1089-7690 (electronic). URL http://link.aip.org/link/doi/10.1063/1.1699114; http://pubs.acs.org/cgi-bin/chemport/version=1.0&coi=1:CAS:528:DyaG3sX1t1Khsw%253D%253D%3Epissn=0095-2338&pyear=2005&&md5=2eba6ee7d50b361b924c3ff8efeda4b1. This article introduces the Metropolis algorithm, which the journal *Computing in Science and Engineering* cited in the top 10 algorithms having the “greatest influence on the development and practice of science and engineering in the 20th Century.” See [BBLS00, BS00], and the Hastings–Metropolis generalization in [Has70]. See also [Bar65, Pes73, Hit03]. According to [Har10, page 263], this paper has been cited more than 10,000 times.

Metropolis:1991:TSC


Metropolis:1995:SCF


Metropolis:1978:PCC

REFERENCES


REFERENCES


REFERENCES

Nachbin:1981:MAA


Nash:1990:HSC


Oppenheimer:1984:US


Peskun:1973:OMC


Ravo:1999:NMM


Metropolis:1959:TJJ


Robert:2004:MCS

REFERENCES


REFERENCES


REFERENCES

[Taub:1961:JNCa]

[Taub:1961:JNCb]

[Taub:1962:JNC]

[Taub:1963:JNCc]

[Taub:1963:JNCa]

[Taub:1963:JNCb]

[Tierney:1994:MCE]
REFERENCES


Waterman:2004:NG


Waterman:2004:SSN


Weiss:1988:BOP


Yost:2002:BGR