A Bibliography of Publications of George Elmer Forsythe

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Abstract
This bibliography records publications of George E. Forsythe (1917–1972).

Title word cross-reference

126 [For55c]. 4 [For55c]. Eig3 [For64e]. R(r) < 0 [For41]. LU [PP73]. QR
[PP73]. r [For41]. s [For68a].

-dimenstional [For68a].

15 [FH60b]. 16 [For60a, For60c]. 1959 [Ano59]. 1967 [DH69]. 1968 [Mor69].
1972 [Dan72].

2007 [DFM+07].
50th [DFM+07].

75th [DFM+07].

absolute [For44a]. accelerated [FF52, FF54]. Acceleration [FM5xa].
ACM [ACM72, For64b, For64c, For64d, For65c, For65d, For65a, For65b, For66b, For66c, For66d, Mis17]. Affix (Cro72). against [For69c]. aid [FV762]. Aircraft [FD45, For44a, For46b]. Algebra [For67a, DH69, For68b]. Algebraic [FM69, For53b, FM67, FM71]. algebraicheskikh [FM69].
Algebraische [FM71]. ALGOL [FV762, For44e]. algorithm [FS55b, For60a, For60c, FH60b]. Algorithms [For64a, For66a]. Almost [Tau61b]. Alternative [For52a]. altitude [FH65]. Analysis [For59e, RFW60, Tau63b, FR58a, FR58b, For58, For59d, For64f, For54b]. Analyst [For53a]. Angeles [HFG51, For51c]. anniversary [DFM+07]. Annual [ACM72]. Applied [RFW60]. approximations [For56b, For56c]. April [Dan72, Hou73]. arbitrary [For45a]. arrival [DFM+07]. Art [DFM+07]. article [For46a]. articles [Ano72, Ano73]. Ashburn [For46a]. aspects [DH69]. Astrophysics [Tau63c]. Asymptotic [For54a, For55a, FM5xb, For68a]. atmospheric [For47b]. August [ACM72, Mor69]. Automata [Tau63b]. Automatic [FW65].

Be [For53b]. Best [FS55a]. Bibliographical [For52b]. Bibliography [For56a, For59a, For4x, For51f, For53c]. binary [For51b]. Biographies [Wei88]. birthday [DFM+07]. Book [Cur78, For60b, For62, For70d]. books [For56a]. Boston [AI69, ACM72]. both [For61]. boundary [For50b, For56b, For56c]. bounds [For54a, For55a]. Bureau [For51c].

comparison [For72a, For72b]. Complex [FH60a]. Computation [For70d, For66a]. Computational [Ban74, DFM+07, For67a, For68b].
Computations [FMM77, FM80, For56e, Cur78]. Computer [AI69, Ano59, For57c, FM67, For68c, For69a, For69e, FGH+70, FMM77, FS55b, For56b, For56c, For63, For67b, For70a, Knu66b, Mis17, Nov17, FM69, FM71, FMM80, Knu72, Knu96a, Cur78]. Computer-Verfahren [FM71]. Computers [Tou63b, For56e, For57d, For59b]. computes [For55c].
Computing [DFM+07, For55b, FH60a, Nas90, For61, Mis17]. Condition [FM52]. Conditioned [FS55a]. conditions [For50b]. conducted [DH69]. Conference [ACM72, AI69, Ano59, DFM+07]. congress [Mor69].
Connection [For51e, vN51]. constant [For49]. Constrained [For55b]. Constructive [DH69]. Contemporary [FR58a]. continental [FH56]. continued [For70a]. Continuous [Ta62]. Convex [For70c, For55a]. Coriolis [For49]. creation [Nov17]. Crout [For60a, For60c]. curriculum [For64f]. Curves [LF73]. Cyclic [FH60a].

Data [AF58, For57c]. Data-Fitting [For57c]. decomposition [For51g]. dedicated [Ano72, Ano73]. Definite [For70c]. Dekker [For69d]. density [FH56]. density-altitude [FH56]. Department [For57b]. derivations [For52a]. Design [For69b, For69c, Ta63b]. determinants [For51d]. Determination [For44a, PT53]. development [Knu72, Knu96a]. developments [For46b]. diagnosis [FvT62]. Difference [For56b, For56c, FW60, VF63]. differences [For71]. Differential [FW60, RFW60, VF63, FR58b, For71]. differentials [VF63]. Digital [For57c, FS55b, For56b, For56c]. Digits [For51e, For51c, For51b, vN51]. dimensional [For68a]. Directions [DFM+07, For68a]. discriminate [For69c]. Discussion [For46a]. distinct [For55c]. distributions [For72a, For72b]. Do [For68c]. Dynamic [HFG45].

E. [For46a]. E1398 [FS60]. Edinburgh [Mor69]. education [For57d, For59a, For69a]. Educational [For63, For57b, For67b]. Eigenvalue [For64e, For56b, For56c]. eigenvalues [PT53]. elements [For71]. elliptic [For71]. Elmer [Dan72]. Engineering [For61]. Enough [For70d]. Equation [For57c, For69e, For69f, For55a, For50b, FS55b]. Equations [FM52, For33b, FW60, RFW60, VF63, For4x, FM4x, For51f, FF52, For53c, FF54, FR58b, For71, Lan52, PT53]. equivalent [For44b]. equivalent-potential [For44b]. Ergodic [Ta61b]. Error [Bau74]. Errors [For59c, For50a]. escalator [For52a]. essays [Boe69]. Exact [For49]. exam [For70b]. examinations [For70a]. exams [For70c]. experimentation [For69c]. Experiments [AF58, FF52, FF54]. Extension [FM52]. Eyes [Ewi94].

Federation [Mor69]. Fifteen [For53a]. Fifteen-Foot [For53a]. Finite [For56b, For56c, FW60, For60d, For51g, For71, VF63]. Finite-Difference [FW60, VF63]. Fitting [AF58, For57c]. flow [For55a, For49]. Foot [For53a]. formulae [For52a]. Forsythe [Cur78, Dan72, DFM+07, Hou73, Ano72, Ano73, Her72, Knu72, Knu96a, Mol72, Nov17, Spj72, Var90]. Forum [For66a]. Fox [For52a]. Frame [FS55b]. frequencies [For54a]. frequency [For55a]. Functions [For70c, Ta61b]. fundamental [DH69, For55a]. Future [DFM+07].

G [Cur78]. Games [Ta63c]. Gauss [For51a, FM52]. Gene [DFM+07]. generalization [For45a]. Generating [Cro72]. Generation [For51c, For51b, For57c, RH72]. Geometric [PP73]. Geometry [Ta62].
George [DFM+07, Ano72, Ano73, Dan72, Her72, Hou73, Knu72, Knu96a, Mol72, Nov17, Var90]. Gerling [For51a]. German [FM71]. Get [ATK72].


Hall [Cur78]. Harada [RH72]. height [For44a]. Held [HFG51]. Help [ATK72]. high [For56e, For59a, For59b]. high-speed [For56e, For59b]. History [Nas90]. horizontal [For45a]. Householder [For54b]. Hydrodynamics [Tau63c].

IBM [DH69]. IFIP [Mor69]. II [FH60b, Tau61b]. III [Tau63a]. III [ATK72]. Ill-Posed [ATK72]. implications [For63]. Improving [FM52]. independent [For43]. influence [Var90]. Information [Mor69, Mor69]. Interesting [For53b]. International [Mor69]. Inversion [FL50, For51g]. Isn’t [For70d]. Iterations [PP73, Lan52]. IV [Tau62].

Jacobi [FH60a]. January [Dan72, Hou73]. John [For51e, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c]. Joint [AFI69, Ano59]. July [HFG51]. June [DH69, HFG51].

K. [RH72]. know [Nov17].

L [For46a]. L. [For46a]. Laboratory [DH69]. Lagrange [For55b]. Laplacian [For56b, For56c]. latent [For52a]. learn [For61]. lecture [For51c]. Legendre [For51d]. Let [For69c]. letter [For44b, For64c, For64d, For65c, For65d, For65a, For65b, For65e, For66b, For66c, For66d]. level [For45b]. Linear [FM69, FM52, For53b, FM67, For67a, For4x, FM4x, For51f, FF52, For53c, FF54, For68b, FM71, Lan52, PT53]. lineinykh [FM69]. Logic [Tau61a]. lower [For54a, For55a].

M [Cur78]. MA [AFI69]. Malcolm [Cur78]. March [Ano59, DFM+07]. Masinnye [FMM80]. matematiceskikh [FMM80]. Math [For70d]. Mathematical [Boe69, Cur78, FMM77, FMM80, For52b]. Mathematics [DFM+07, Ew94, For57b, For57a, RFW60, For56a, For59a, For61, FGH+70]. Matrices [FS55a]. Matrix [FF51, FL50, FH60a, For51g]. Maximum [FH56, For70c]. May [AFI69]. Mechanics [Tau61a]. membership [For44b, For64c, For64d, For65c, For65d, For65a, For65b, For65e, For66b, For66c, For66d]. membranes [For54a, For55a]. Memoriam [Dan72]. Memory [Her72, Ano72, Ano73, Mol72]. Meteorology [Tau63c, HFG45].

Method [FL50, FH60a, FMx4, FM5xa, FM5xb, For68a, For72a, For72b, HFG51]. Methods [Cur78, For59b, FW60, For67a, FMM77, FMM80, VF63, For41, FS42, For4x,
For 51f, For 51g, FF 52, For 53c, FF 54, For 56b, For 56c, For 56d, For 56f, For 68b].

metody [FMM 80, VF 63].  Mininima [For 55b].  minimized [Lan 52].

minimized-iterations [Lan 52].  Minimum [For 70c].  Moler [Cur 78].

monographs [For 52e].  Monte [FL 50, HFG 51].  Monthly [Ewi 94].

Multipliers [For 55b].  must [For 61].

National [For 51c].  Near [For 59e, For 58].  Neumann
[For 51c, For 72a, Tau 61a, Tau 61b, Tau 63a, Tau 62, Tau 63b, Tau 63c].

Nonlinear [LF 73].  nonviscous [For 49].  Nörlund [For 47a].  normal
[For 72a, For 72b].  Note [For 44b, For 50a, For 59c, RH 72, Sp 72].  Notes
[For 65b, For 64e].  Numerical [DFM + 07, For 53a, For 54b, FR 58b, For 59b,
For 59e, RFW 60, Tau 63b, For 57b, FR 58a, For 58, For 59d, For 64f].

Obtaining [FF 51].  Off [For 59c, For 50a].  Oh [Wei 88].  one [For 50b].  only
[For 50b].  operations [For 44a].  Operators [Tau 63a, Tau 61b].  optimum
[FM 55a, FM 55b, For 68a].  order [For 41, For 51d, For 55c].  organized [Mor 69].

Orthogonal [AF 58, For 57c].  Other [Tau 62, For 72a, For 72b].

pages [Cur 78].  paper [For 69d].  Papers [FOP + 56, For 57a, Knu 96b, For 64e].

parameter [For 49].  Parlett [For 64e].  Parsers [Cro 72].  Partial
[FW 60, RFW 60, VF 63, FR 58b, For 71].  particle [For 49].  Periodic [Tau 61b].

Permutations [RH 72].  Ph.D. [For 70a].  Pioneers [Wei 88].  Pitfalls
[For 70d].  Pivoting [For 60a, For 60c].  plane [For 49].  polygonal [For 54a].

Polynomial [FG 65, For 70c].  Polynomials [AF 58, For 57c, For 51d].  Posed
[ATK 72].  Positive [For 70c].  potential [For 44b].  Power [PP 73].  Prentice
[Cur 78].  Prentice/Hall [Cur 78].  President [For 64b, For 64c, For 64d, For 65c,
For 65d, For 65a, For 65b, For 65c, For 65e, For 66b, For 66c, For 66d].  pressure
[For 45b].

Principal [FH 60a].  Principles [For 54b].  Problem [ATK 72, FS 60, For 65f].

Problems [For 70e, For 56b, For 56c].  Procedure [For 64e].  Proceedings
[Ano 59, DH 69, HFG 51, Mor 69, ACM 72].  processing [Mor 69].  program
[For 57b, For 59d, For 67b].  Programs [FW 65].  proizvodnykh [VF 63].

projects [For 70e].  propagation [For 47b].  properties [FM 55a].

Publications [RFW 60].  Punched [FF 52, FF 54].  Punched-card
[FF 52, FF 54].

Quadratic [For 67c, For 69e, For 69f, For 70c].  qualifying [For 70a].  Quantum
[Tau 61a].  question [For 70b].

Radius [For 70c].  Random
[For 51e, For 43, For 47a, For 51c, For 51b, For 72a, For 72b, vN 51].  Raznostnye
[VF 63].  reconnaissance [FD 45, For 46b].  reduction [For 45b].  references
[For 56c, For 71].  regularity [FS 42].  Relaxation [For 51a, For 56d, For 56f].

Remark [For 60c, FH 60b].  Remarks [FS 42, For 69d, For 66c].  Reprint
[For 59c].  Research [DH 69].  reshenie [FM 69].  resheniya [VF 63].  Response
Review [For54b, For60b, For60d, For62, Cur78]. revolution [For63].
Riesz [For41]. Rings [Tau63a]. role [For57d, For59d]. rootfinder [FH60b].
roots [For52a]. Rosary [RH72]. Rounding [Bau74, For59c, For50a].
Rounding-Off [For59c, For50a]. Rieschlikon [DH69]. Russian
[FM69, For52b, For56a, FMM80, VF63].
sampling [For72a, For72b]. Satisfactory [For67c, For69f]. school
[For57d, For59a]. science [For57d, For67b, For69a, FGH+70, For70a, Knu96b, 
Mis17, Nov17, Knu72, Knu96a]. sciences [Boe69]. Scientific
[Nas90, For56e, For56a, FMM80, VF63]. sampling [For72a, For72b].
Satisfactory [For67c, For69f]. school
[For57d, For67b, For69a, FGH+70, For70a, Knu96b, Mis17, Nov17, Knu72, Knu96a].
Second [For51d, FG65]. Second-Degree [FG65]. Selected [For56e, Knu96b, For51g].
Selfridge [For60d]. semigroups [For55c, For60d]. Sets [Tau61a]. shape
[For47b]. Shelf [For53a]. Short [FOP+56, For64e]. Simultaneous [PT53].
Singularity [For58, For59e]. sistem [FM69]. society [Mis17]. Solution
[FM69, For50b, FS60, For65f, FM67, Lan52, FM71]. Solver [For67c, For69f].
Solving [For53b, For69e, For4X, FM4X, For51f, For53c, For71]. Souriau
[FS55b]. Speed [For47b, For56c, For59b]. Sphere [FG65, For70c]. Spline
[LF73]. Spring [AFI69]. Standards [For51c]. Stanford
[DFM+07, DFM+07, For70b, For70a]. State [DFM+07, FR58a]. States
[FH56]. Stationary [FG65]. Students [For57a, For61, Var90]. Study [LF73].
Suggestions [For57a]. summability [For41, For43, For47a]. Summary
[For51c]. summation [FS42]. survey [For52b, For59b]. Surveys [RFW60].
SWAC [AF58, For51b, For55c]. Switzerland [DH69]. Syllabi [For70a].
Symposium [HFG51, DH69]. Systeme [FM71]. Systems
[FM69, FM52, FM67, For51f, For53c, FM71, Lan52]. tables [For45b]. Talking [For57a]. Technical [FOP+56, For64e].
Techniques [For51e, vN51]. telegrapher [For50b]. temperature [For44b].
Tentative [For51f, For53c]. testing [For51c, For51b]. Tests [For64e].
Theorem [Spj72, DH69]. Theory
[For51g, PP73, Tau61a, Tau61b, Tau63b, Tau63c]. thermal [For45a]. Till
[For68c]. time [For46b]. Today [For67a, For68b]. Topics [Tau62].
trajectories [For49]. Transformation [FM52]. Transformations [FF51].

U.C.L.A. [For57b]. undergraduate [For59d, For64f]. Unit [FG65]. United
[ FH56]. Universal [For45b]. University [DFM+07, For67b, For70a].
untitled [For60b, For62]. uravnenii [FM69, VF63]. Use
[AF58, For57c, For56e]. Used [For51e, vN51].

V [For46a, VF63, RFW60, Tau63b]. value [For56b, For56c]. Values
[FH60a, FG65]. variables [For43, For47a]. Variational [LF73]. Various
[For51e, vN51]. Vectorcardiographic [FvT62]. Vectors [FF51]. Verfahren
[FM71]. VI [Tau63c]. Volume
[RFW60, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c]. vorticity
REFERENCES

[For46a]. vycislenij [FMM80].

War [For46b]. War-time [For46b]. waves [For47b]. weather [FD45, For46b]. Weiss [For46a]. Welcoming [For66e]. Well [ATK72]. Western [Ano59]. wind [For44a, For45a]. work [For69c]. Works [Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c].

zero [For47a]. Zürich [DH69]. Zürich-Rüschlikon [DH69].

References

ACM:1972:PAA


Ascher:1958:SEU


AFIPS:1969:ACPa


Anonymous:1959:PWJ


Anonymous:1972:CAD


Anonymous:1973:CAD

REFERENCES


REFERENCES


REFERENCES


George E. Forsythe and Theodore S. Motzkin. On a gradient method of solving linear equations. *???? ????*, National Bureau of Standards,
Los Angeles, CA, USA, ???? 194x. Undated, and found cited only in [Lan52, ref. 7].


REFERENCES


[For4x] George E. Forsythe. Classification and bibliography of methods of solving linear equations. Report ????, ????, ????, ????. 194x. Undated, and found cited only in [Lan52, ref. 5].

REFERENCES


REFERENCES


REFERENCES

Forsythe:1955:ALB


Forsythe:1955:CCM


Forsythe:1955:SCD


Forsythe:1956:BRM


Forsythe:1956:DMDa


Forsythe:1956:DMDb

REFERENCES


REFERENCES


Forsythe:1964:TPA


Forsythe:1964:UCN


Forsythe:1965:PLAc


Forsythe:1965:PLAd


Forsythe:1965:PLAa


Forsythe:1965:PLAb


Forsythe:1965:PLM

REFERENCES


REFERENCES

Forsythe:1967:UEP


Forsythe:1967:WSQ


Forsythe:1968:ADD


Forsythe:1968:TCM


Forsythe:1968:WDT


Forsythe:1969:CSE


Forsythe:1969:DTN


Forsythe:1969:LDA

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


York, NY, USA, 1962. x + 516 pp. LCCN ???? See also volumes I–III, V–VI [Taub61a, Taub61b, Taub63a, Taub63b, Taub63c].


