A Bibliography of Publications of George Elmer Forsythe

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

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

Title word cross-reference

126 [For55c]. 4 [For55c]. Eig [For64c]. $R(r) < 0$ [For41]. LU [PP73]. QR
[PP73]. r [For41]. s [For68a].

-dimenisonal [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], Affix [Cro72], against [For69c]. aid [FvT62]. Aircraft [FD45, For44a, For46b]. Algebra [For67a, DH69, For68b]. Algebraic [FM69, For53b, FM67, FM71]. algebraicheskikh [FM69]. Algebraische [FM71]. ALGOL [FvT62, For64e]. algorithm [FS55b, For60a, For60c, FH60b]. Algorithms [For64a, For66a]. Almost [Tau61b]. Alternative [For52a]. altitude [FH56]. Analysis [For59e, RFW60, Tau63b, FR58a, FR58b, For58, For59d, For54f, 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].


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REFERENCES

[For46a]. vycislenij [FMM80].

War [For46b]. War-time [For46b]. waves [For47b]. weather [FD45, For46]. 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


[Forsythe:194x:GMS] Forsythe:194x:GMS

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].


[For51g] George E. Forsythe. Theory of selected methods of finite matrix inversion and decomposition. Report 52-5, Institute for Numerical Analy-
REFERENCES


REFERENCES

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Forsythe:1955:ALB


Forsythe:1955:CCM


Forsythe:1955:SCD


Forsythe:1956:BRM


Forsythe:1956:DMDa


Forsythe:1956:DMDb

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Holmboe:1945:DMC

[Jorg]en Holmboe, George E. (George Elmer) Forsythe, and William Sharp

Householder:1951:MCM


Householder:1973:GFJ


Knuth:1972:GFD


Knuth:1996:GFD


Knuth:1996:SPC


Lanczos:1952:SSL

REFERENCES


REFERENCES

Read:1972:NGR


Spjotvoll:1972:NTF


Taub:1961:JNCa


Taub:1961:JNCb


Taub:1962:JNC


Taub:1961:JNCc


Taub:1963:JNCa

REFERENCES

See also volumes I–IV, VI [Tau61a, Tau61b, Tau63a, Tau62, Tau63c].

See also volumes I–V [Tau61a, Tau61b, Tau63a, Tau62, Tau63b].


