A Complete Bibliography of Publications in the *ACM Symposia on Theory of Computing (STOC)* for 1960–1969

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/

05 April 2013
Version 1.01

Title word cross-reference

Abstract [BG69, Cha69, Coo69, Ros69, Sav69]. **algebras** [She69].
algorithm [Ull69]. **algorithms** [Blu69b].
ambiguity [Ull69]. **analysis** [PR69].
arbitrary [HI69]. **arithmetic** [Avi69].
arrays [ALY69]. **automata** [Tha69].

boolean [Spi69]. **bounds** [MM69].

California [ACM69]. **certain** [Spi69].
changing [You69].
Classes [MM69, Bas69, Spi69].
compilers [Blu69a].
complexity [Avi69, Hod69, Lov69].
Computability [HI69].
computable [Bas69, MM69].
computation [Col69, MM69, Spi69].
computational [Avi69].
Computing [ACM69].
Conference [ACM69]. **constituent** [PR69].
construction [Kor69].
Context [PR69, Rou69, AU69, Ull69].
Context-free [Rou69, PR69].
Context-sensitive [PR69].

defined [MP69, MM69]. **del** [ACM69].
Detailed [Coo69, Sav69].
Deterministic [Sav69, Cha69, RS69].
down [RS69].

effective [Blu69b]. **Efficient** [Kor69].
enumerated [You69]. **expressions** [Joh69].
Extended [BG69].

families [Cha69, Ros69]. **features** [Zei69].
fields [HI69]. **finite** [Tha69].
Formal [Zei69]. **Formalization** [MP69].
framework [ALY69].
Free [Joh69, AU69, PR69, Rou69, Ull69].
functions [Avi69, Bas69, MP69, MM69, Spi69].

general [She69]. **generalized** [Tha69].
geometric [Hod69]. **grammar** [AU69].
grammars [RS69, Rou69]. **groups** [Joh69].

immediate [PR69]. **inherent** [Ull69].
Intercalation [Ogd69]. **iterative** [ALY69].

Languages [She69, Blu69a, BG69, Cha69, Fis69, Ogd69, PR69, Ull69, Zei69].
logical [Hod69]. **LR** [Kor69].

machines [ALY69, Col69, Coo69, Sav69].
Marina [ACM69]. **May** [ACM69].
measures [Lov69]. **minimal** [Lov69].
minimal-program [Lov69]. **models** [Zei69].

non [Sav69]. **non-deterministic** [Sav69].

order [You69].

papers [ACM69]. **partial** [Ull69].
plane [Hod69]. **point** [Tha69].
precedence [Fis69].
Preliminary [MM69, You69].
presented [ACM69].
problem [Avi69, Ull69].
procedures [Blu69b]. **processor** [Kor69].
processors [Ros69]. **program** [Lov69].
programming [Blu69a, Zei69].
Properties [RS69, Fis69, Hod69, MP69].
Pushdown [Col69, Coo69].

Quasi [BG69]. **Quasi-realtime** [BG69].

real [Col69]. **real-time** [Col69].
realtime [BG69]. **record** [ACM69].
recursively [MP69]. **regular** [Joh69].
Report [MM69]. **revisited** [PR69].
Rey [ACM69].

semantics [Blu69a]. **sensitive** [PR69].
sets [You69]. **simulation** [Sav69].
Some [Fis69, Zei69]. **Speed** [You69].
Speed-ups [You69]. **speeding** [Blu69b].
stack [Ogd69]. **store** [Col69].
Symposium [ACM69].

theorems [Ogd69].
Theory [ACM69, ALY69, Blu69a, Tha69].
time [Avi69, Col69, Spi69]. **top** [RS69].
Transformations [Tha69].
Translations [AU69, Tha69]. **trees** [Rou69].
Turing [Sav69].

unifying [ALY69]. **ups** [You69].

Variations [Coo69]. **Version** [You69].
view [Tha69].

which [You69].

References

ACM:1969:CRA

[ACM69] ACM, editor. *Conference record of ACM Symposium on Theory of Computing; papers presented at the symposium, Marina del Rey, California, May 5, 6, 7, 1969*. ACM Press, New York, NY, USA, 1969. LCCN QA75.5 .A22 1969.

Amoroso:1969:UFT

[ALY69] Serafino Amoroso, Edward Lieblein, and Hisao Yamada. A unifying

framework for the theory of iterative arrays of machines. In ACM [ACM69], pages 259–269. LCCN QA75.5 .A22 1969.

Aho:1969:TCF

[AU69] A. V. Aho and J. D. Ullman. Translations on a context free grammar. In ACM [ACM69], pages 93–112. LCCN QA75.5 .A22 1969.

Aviienis:1969:PCT

[Avi69] Algirdas Avižienis. On the problem of computational time and complexity of arithmetic functions. In ACM [ACM69], pages 255–258. LCCN QA75.5 .A22 1969.

Basu:1969:CCF

[Bas69] Sanat K. Basu. On classes of computable functions. In ACM [ACM69], pages 55–59. LCCN QA75.5 .A22 1969.

Book:1969:QRL

[BG69] Ronald V. Book and Sheila A. Greibach. Quasi-realtime languages (extended abstract). In ACM [ACM69], pages 15–18. LCCN QA75.5 .A22 1969.

Blum:1969:TTS

[Blu69a] E. K. Blum. Towards a theory of semantics and compilers for programming languages. In ACM [ACM69], pages 217–227. LCCN QA75.5 .A22 1969.

Blum:1969:EPS

[Blu69b] Manuel Blum. On effective procedures for speeding up algorithms. In ACM [ACM69], pages 43–53. LCCN QA75.5 .A22 1969.

Chandler:1969:AFD

[Cha69] W. J. Chandler. Abstract families of deterministic languages. In ACM [ACM69], pages 21–30. LCCN QA75.5 .A22 1969.

Cole:1969:PSM

[Col69] Stephen N. Cole. Pushdown store machines and real-time computation. In ACM [ACM69], pages 233–245. LCCN QA75.5 .A22 1969.

Cook:1969:VPM

[Coo69] Stephen A. Cook. Variations on pushdown machines (detailed abstract). In ACM [ACM69], pages 229–231. LCCN QA75.5 .A22 1969.

Fischer:1969:SPP

[Fis69] Michael J. Fischer. Some properties of precedence languages. In ACM [ACM69], pages 181–190. LCCN QA75.5 .A22 1969.

Herman:1969:CAF

[HI69] Gabor T. Herman and Stephen D. Isard. Computability over arbitrary fields. In ACM [ACM69], pages 149–153. LCCN QA75.5 .A22 1969.

Hodes:1969:LCG

[Hod69] Louis Hodes. The logical complexity of geometric properties in the plane. In ACM [ACM69], pages 249–254. LCCN QA75.5 .A22 1969.

Johansen:1969:FGR

[Joh69] Peter Johansen. Free groups and regular expressions. In ACM [ACM69], pages 113–128. LCCN QA75.5 .A22 1969.

Korenjak:1969:ELP

[Kor69] A. J. Korenjak. Efficient LR(1) processor construction. In ACM [ACM69], pages 191–200. LCCN QA75.5 .A22 1969.

Loveland:1969:MPC

[Lov69] D. W. Loveland. On minimal-program complexity measures. In ACM [ACM69], pages 61–78. LCCN QA75.5 .A22 1969.

McCreight:1969:CCF

[MM69] E. M. McCreight and A. R. Meyer. Classes of computable functions defined by bounds on computation: Preliminary report. In ACM [ACM69], pages 79–88. LCCN QA75.5 .A22 1969.

Manna:1969:FPR

[MP69] Zohar Manna and Amir Pnueli. Formalization of properties of recursively defined functions. In ACM [ACM69], pages 201–210. LCCN QA75.5 .A22 1969.

Ogden:1969:ITS

[Ogd69] William F. Ogden. Intercalation theorems for stack languages. In ACM [ACM69], pages 31–42. LCCN QA75.5 .A22 1969.

Peters:1969:CSI

[PR69] P. Stanley Peters and Robert W. Ritchie. Context-sensitive immediate constituent analysis — context-free languages revisited. In ACM [ACM69], pages 1–8. LCCN QA75.5 .A22 1969.

Rose:1969:AFP

[Ros69] Gene F. Rose. Abstract families of processors. In ACM [ACM69], pages 9–14. LCCN QA75.5 .A22 1969.

Rounds:1969:CFG

[Rou69] William C. Rounds. Context-free grammars on trees. In ACM [ACM69], pages 143–148. LCCN QA75.5 .A22 1969.

Rosenkrantz:1969:PDT

[RS69] D. J. Rosenkrantz and R. E. Stearns. Properties of deterministic top down grammars. In ACM [ACM69], pages 165–180. LCCN QA75.5 .A22 1969.

Savitch:1969:DSN

[Sav69] Walter J. Savitch. Deterministic simulation of non-deterministic Turing machines (detailed abstract). In ACM [ACM69], pages 247–248. LCCN QA75.5 .A22 1969.

Shepard:1969:LGA

[She69] C. D. Shepard. Languages in general algebras. In ACM [ACM69], pages 155–163. LCCN QA75.5 .A22 1969.

Spira:1969:CTC

[Spi69] Philip M. Spira. On the computation time of certain classes of boolean functions. In ACM [ACM69], pages 271–272. LCCN QA75.5 .A22 1969.

Thatcher:1969:TTP

[Tha69] James W. Thatcher. Transformations and translations from the point of view of generalized finite automata theory. In ACM [ACM69],

pages 129–142. LCCN QA75.5 .A22 1969.

Ullian:1969:IAP

[Ull69] Joseph S. Ullian. The inherent ambiguity partial algorithm problem for context free languages. In ACM [ACM69], pages 19–20. LCCN QA75.5 .A22 1969.

Young:1969:SUC

[You69] Paul R. Young. Speed-ups by changing the order in which sets are enumerated (preliminary version). In ACM [ACM69], pages 89–92. LCCN QA75.5 .A22 1969.

Zeiger:1969:FMS

[Zei69] H. Paul Zeiger. Formal models for some features of programming languages. In ACM [ACM69], pages 211–215. LCCN QA75.5 .A22 1969.