
Contents

0	Algorithms, Programs, and Computer Science	1
1	Computer Science and its Relation to Mathematics	5
2	Mathematics and Computer Science: Coping with Finiteness	31
3	Algorithms	59
4	Algorithms in Modern Mathematics and Computer Science	87
5	Algorithmic Themes	115
6	Theory and Practice, I	123
7	Theory and Practice, II	129
8	Theory and Practice, III	141
9	Theory and Practice, IV	149
10	Are Toy Problems Useful?	169
11	Ancient Babylonian Algorithms	185
12	Von Neumann's First Computer Program	205
13	The IBM 650: An Appreciation from the Field	227
14	Artistic Programming	241
15	Speech in St. Petersburg	243
16	George Forsythe and the Development of Computer Science	245
	Index	265