

9.3	Some Approaches to the Realization of Adaptive Feedback	229
9.4	Feedback Algorithm for the Static Collection of Documents	234
9.5	Feedback Algorithm for the Dynamic Collection of Documents	237
9.6	Evaluation	239
9.7	Feedback for Search Optimization	242
9.8	Criterion for Selection of the Best System's State	246
9.9	Selective Algorithm for the Static Collection of Documents	249
9.10	Selective Feedback Algorithm for Dynamic Collection	252
9.11	Internal Control	255
9.12	Conclusion	256
	References	258
	Bibliographic Remarks	259

10 Evaluation of Search Results

10.1	Introduction	260
10.2	Aspects of Evaluating	261
10.3	Problems of Evaluating the Functional Effectiveness of a Document Search	267
10.4	Limits of Applicability of Complex Search Characteristics	271
10.5	Determination of Recall	279
10.6	Construction of Complex Search Characteristics	281
10.7	"Physical Meaning" of Complex Search Characteristics	292
10.8	Order Preservation Property	293
10.9	Fuzzy Scales of Pertinence	300
10.10	Another Formulation of the Goal of Document Search	310
10.11	Conclusion	314
	References	315
	Bibliographic Remarks	316

11

Evaluation of Macroevaluated Objects

11.1	Introduction	318
11.2	Determination of Expediency for Evaluating Specific Macroevaluated Objects	319
11.3	Averaging Values of Functional Effectiveness	324
11.4	Requirements for Search Characteristics	325
11.5	Comparative Evaluation of Macroevaluated Objects	328
11.6	Some Experiments on the Evaluation of Macroevaluated Objects	329

12

Some Directions in the Development of IR Systems

12.1	Introduction	335
12.2	IR Systems and Artificial Intelligence	335
12.3	Satisfying IN: Additional Possibilities	344
12.4	The Effects of IN Components on the IR System	348
12.5	Future Developments in Considering IN Components	354
12.6	Conclusion	355
	References	356
	Bibliographic Remarks	357

11.7	Conclusion	333
	References	334