

Contents

Preface	vii
Obituary Composed by Dr. Roger Blomquist for Dr. Ely Meyer Gelbard	xi
1 Advances in Discrete-Ordinates Methodology	1
Edward W. Larsen and Jim E. Morel	
2 Second-Order Neutron Transport Methods	85
E.E. Lewis	
3 Monte Carlo Methods	117
Jerome Spanier	
4 Reactor Core Methods	167
Robert Roy	
5 Resonance Theory in Reactor Applications	217
R.N. Hwang	
6 Sensitivity and Uncertainty Analysis of Models and Data	291
Dan Gabriel Cacuci	
7 Criticality Safety Methods	355
G.E. Whitesides, R.M. Westfall, and C.M. Hopper	
8 Nuclear Reactor Kinetics: 1934–1999 and Beyond	375
Jack Dorning	
Index	459



<http://www.springer.com/978-90-481-3410-6>

Nuclear Computational Science

A Century in Review

Azmy, Y.; Sartori, E.

2010, XV, 470 p., Hardcover

ISBN: 978-90-481-3410-6