
Contents

Preface	V
List of Contributors	XI
1 Fundamentals of Interval Computing	
<i>Ralph Baker Kearfott, Chenyi Hu</i>	1
2 Soft Computing Essentials	
<i>Andre de Korvin, Hong Lin, and Plamen Simeonov</i>	13
3 Relations Between Interval Computing and Soft Computing	
<i>Vladik Kreinovich</i>	75
4 Interval Matrices in Knowledge Discovery	
<i>Chenyi Hu, R. Baker Kearfott</i>	99
5 Interval Function Approximation and Applications	
<i>Chenyi Hu, Ling T. He, Shanying Xu</i>	119
6 Interval Rule Matrices for Decision Making	
<i>Chenyi Hu</i>	135
7 Interval Matrix Games	
<i>W. Dwayne Collins, Chenyi Hu</i>	147
8 Interval-Weighted Graphs and Flow Networks	
<i>Chenyi Hu, Ping Hu</i>	167
9 Arithmetic on Bounded Families of Distributions: A DEnv Algorithm Tutorial	
<i>Daniel Berleant, Gary Anderson, Chaim Goodman-Strauss</i>	183

**10 IntBox: An Object-Oriented Interval Computing Software
Toolbox in C++**

Michael Nooner, Chenyi Hu 211

Index 229