

Table of Contents

Introduction (<i>Bernhelm Booß-Bavnbek, Jens Høyrup</i>)	1
I Perspectives from Mathematics	
Military Work in Mathematics 1914–1945: An Attempt at an International Perspective (<i>Reinhard Siegmund-Schultze</i>)	23
The Brains behind the Enigma Code Breaking before the Second World War (<i>Elisabeth Rakus-Andersson</i>)	83
On the Defence Work of A.N. Kolmogorov during World War II (<i>Albert N. Shiryayev</i>)	103
Improbable Warriors: Mathematicians Grace Hopper and Mina Rees in World War II (<i>Kathleen Williams</i>)	108
New Mathematical Disciplines and Research in the Wake of World War II (<i>Tinne Hoff Kjeldsen</i>)	126
Mathematics and War in Japan (<i>Setsuo Fukutomi</i>)	153
Discovery of the Maximum Principle in Optimal Control (<i>Revaz V. Gamkrelidze</i>)	160
Mickey Flies the Stealth (<i>Philip J. Davis</i>)	174
II Perspectives from the Military	
War Cannot Be Calculated (<i>Svend Bergstein</i>)	183
Warfare Can Be Calculated (<i>Svend Clausen</i>)	216
Duels of Systems and Forces (<i>Helge Löfstedt</i>)	239
On Facts and Fiction of “Information Warfare” (<i>Ute Bernhardt, Ingo Ruhmann</i>)	257
More or Less Exposed Non-combatants and Civilian Objects under the Conditions of “Modern Warfare” (<i>Elmar Schmähling</i>)	282

III Ethical Issues

Niels Bohr's Political Crusade during World War II (<i>Finn Aaserud</i>)	299
The Military Use of Alan Turing (<i>Andrew Hodges</i>)	312
The Mathematician K. Ogura and the "Greater East Asia War" (<i>Tetsu Makino</i>)	326
Working within the System (<i>Wolf Göhring</i>)	336
Ethics and Military Research (<i>Jesper Ryberg</i>)	352

IV Enlightenment Perspectives

Mathematical Thinking and International Law (<i>Ib Martin Jarvad</i>)	367
Calculated Security? Mathematical Modelling of Conflict and Cooperation (<i>Jürgen Scheffran</i>)	390
List of Contributors	413