

This book is primarily intended for electrical engineers dealing with the development, designing, and operations of electronic and electrical equipment, but will also be useful for university lecturers and students. It contains many interesting applications and chapters about the history of this technology. The impact of electromagnetic pulses at high altitude nuclear explosion (HEMP) on electronic components, devices and on power electrical equipment is discussed. The main part of the book includes a practical description of protection methods and means against HEMP.

Approachable for non-specialist in nuclear physics, this book describes the formation process of HEMP, discussing numerous factors affecting HEMP strength and other parameters. As a case example for HEMPs, this unusual book narrates the history and development of military nuclear programs in the USSR and USA, the role of intelligence services in development of nuclear weapons, the discovery of HEMP, and numerous testing of nuclear ammunition. The book also contains documents and photos that have only recently been declassified and approved for public release.

For its breadth in scope, newness, deepness and practical importance of described protection means, this book may be stated as an encyclopedia of HEMP and has no analogues in the current market.



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ISBN 978-3-11-063596-6

*Vladimir Gurevich*  
**PROTECTING ELECTRICAL EQUIPMENT**

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**GOOD PRACTICES FOR PREVENTING HIGH ALTITUDE  
ELECTROMAGNETIC PULSE IMPACTS**

