
NONEQUILIBRIUM PHENOMENA

**Plasma
Combustion
Atmosphere**

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The book contains 78 revised, edited and formatted papers written by international experts in kinetics of elementary physical and chemical processes, surface physics and chemistry, laser-induced and plasma-assisted combustion, electrical discharges and other sources of plasma, ignition and combustion, detonation, aerosols and atmospheric physics and chemistry, and processes in Earth atmosphere and outer space. The book is published in connection with the Fourth International Symposium on Nonequilibrium Processes, Combustion, and Atmospheric Phenomena held in Sochi, Russia, October 5–9, 2009. The book is addressed to practicing engineers and researchers and can serve as a reference book for graduate studies in combustion science and technology, plasma and aerosol physics, propulsion and environmental protection.

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Front cover: Photograph of operating annular electric discharger. In Barkhudarov, E.M., *et al.* Created by annular electric discharge nonplanar shock wave as a mean of distant heating and ignition of flammable gas. This book, p. 139.

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