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""Unstable Wall Layers Created by Shock Reflections""""Numerical
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Combustion""; ""Influence of Nonequilibrium Processes on Gasdynamic
Parameters of Nonstationary Supersonic Jets""; ""Shock Waves in Self-
Propagating High-Temperature Synthesis Research""; ""Author Index""

Sommario/riassunto

The four companion volumes on Dynamic Aspects of Detonations and
Explosion Phenomena and Dynamics of Gaseous and Heterogeneous
Combustion and Reactive Systems present 111 of the 230 papers given
at the Thirteenth International Colloquium on the Dynamics of
Explosions and Reactive Systems held in Nagoya, Japan. These books
embrace the topics of explosions, detonations, shock phenomena, and
reactive flow, as well as the gasdynamic aspects of nonsteady flow in
combustion systems, the fluid mechanics aspects of combustion, and
diagnostic techniques. Two of the volumes, Dynamics of Gaseous
Combustion (Vol. 151) and Dynamics of Heterogeneous Combustion
and Reacting Systems (Vol. 152), focus on the processes of coupling
the exothermic energy release with the fluid mechanics occurring in
various combination processes. The other two volumes, Dynamic
Aspects of Detonations (Vol. 153) and Dynamic Aspects of Explosion
Phenomena (Vol. 154), address the rate processes of energy deposition
in a compressible medium and the concurrent nonsteady flow as it

typically occurs in explosion phenomena.
