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""Numerical Simulation of Layered Detonations""""Chapter III. Nonideal Detonations and Boundary Effects""; ""Photographic Study of the Structure and Propagation Mechanisms of Quasidetons in Rough Tubes""; ""Calculation of the Velocity of Gaseous Detonation in a Rough Tube Based on Measurements of Shock Wave Attenuation""; ""Studies of the Mechanism of Detonation Propagation in Porous Structures""; ""Propagation of Gaseous Detonations over Liquid Layers""; ""Surface Detonations and Indirect Ignition Processes""; ""Detonation of Unconfined Large-Scale Fuel Spray-Air Clouds""

""Chapter IV. Multiphase Detonations""""Lean Detonation Limit of Sensitized Kerosene Sprays in Air""; ""Explosive Decomposition of Hydrazine by Rapid Compression of a Gas Volume""; ""Detonation Structure of Corn Starch Particles-Oxygen Mixtures""; ""Influence of Dust Parameters on Detonation Velocity, Structure, and Limits""; ""Multiple Gauges for In Situ Measurements of Pressure and Particle Velocity in Condensed Materials""; ""Author Index""

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