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""Chapter 14 Flame Curvature as a Determinant of Preferential Diffusion Effects in Premixed Turbulent Combustion""""Chapter 15 Gasdynamic Model of Turbulent Exothermic Fields in Explosions""; ""Color Plates""; ""Chapter 16 Combustion Theory and Conditional Moment Closure Modeling""; ""V. Explosions and Detonations""; ""Chapter 17 Nonequilibrium Phenomena in Combustion and Explosion""; ""Chapter 18 Initiation of Detonation by a Hypervelocity Projectile""; ""Chapter 19 Theory of Gaseous Detonations""; ""Chapter 20 Modern View of Gas Detonation Mechanisms"" ""Chapter 21 Zel'dovich Theory of Detonability Limits""""Author Index""

Sommario/riassunto

Authored by some of the most prestigious international researchers, this book contains 21 papers that address five general categories of combustion science: flame theory, heterogeneous combustion, unsteady and cellular combustion, turbulent combustion, and explosions and detonations.
