Record Nr. UNINA9910457215403321 Dynamics of explosions [[electronic resource] /] / edited by J.R. Bowen, **Titolo** J.-C. Lever, R.I. Soloukhin Pubbl/distr/stampa New York, N.Y., : American Institute of Aeronautics and Astronautics. Inc., c1986 **ISBN** 1-60086-580-1 1-60086-361-2 Descrizione fisica 1 online resource (679 p.) Collana Progress in astronautics and aeronautics; ; v. 106 Altri autori (Persone) BowenJ. R (J. Raymond) LeverJ.-C SoloukhinRem Ivanovich Disciplina 629.1 s 662/.2 Soggetti **Explosions** Gas dynamics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Technical papers presented from the tenth International Colloquium" Note generali on Dynamics of Explosions and Reactive Systems, Berkeley, California, August 1985, and subsequently revised for this volume." Companion volume to: Dynamics of reactive systems. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; Nota di contenuto ""Chapter I. Flame Acceleration and Transition to Detonation""; ""On the Transition from Deflagration to Detonation""; ""Influence of Chemical Composition on the Deflagration-Detonation Transition""; ""Transmission of a Flame from a Rough to a Smooth-Walled Tube""; ""Investigation of the Explosion-Enhancing Properties of a Pipe-Rack-Like Obstacle Array""; ""The Effect of Transverse Venting on Flame Acceleration and Transition to Detonation in a Large Channel"": ""Truly Unconfined Deflagrations of Ethylene-Air Mixtures"" ""Chapter II. Initiation and Transmission of Detonations"""The Influence of Experimental Condition on the Reinitiation of Detonation Across an Inert Region"": ""Critical Diameter of Diffraction for Strong Plane Detonations""; ""Detonation Diffraction by Divergent Channels"";

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