1. Record Nr. UNINA9910781700403321 Recent advances in spray combustion [[electronic resource]]: spray **Titolo** combustion measurements and model simulation. Volume II / / edited by Kenneth K. Kuo Reston, Va., : American Institute of Aeronautics and Astronautics, Inc., Pubbl/distr/stampa **ISBN** 1-60086-643-3 1-60086-424-4 Descrizione fisica 1 online resource (466 p.) Collana Progress in astronautics and aeronautics; ; v. 171 KuoKenneth K Altri autori (Persone) Soggetti Combustion Combustion engineering Spraying Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Title""; ""Copyright""; ""Preface""; ""Table of Contents""; Nota di contenuto ""Subject Area 1. Spray Combustion Measurements""; ""Chapter 1. Continuous- and Dispersed-Phase Structure of Pressure-Atomized Sprays""; ""Chapter 2. Behavior of Droplets in Pressure-Atomized Fuel Sprays with Coflowing Air Swirl""; ""Chapter 3. Spray Diagnostics with Lasing and Stimulated Raman Scattering""; ""Chapter 4. Feasibility of Droblet Size and Concentration Measurements in a Hypergolic Prepellant Burning Spray""; ""Chapter 5. Laser Sheet Visualization of Spray Structure"" ""Chapter 6. Use of Fluorescence Methods for Measurement of Droplet and Vapor Temperatures"""Chapter 7. Assessing the Physics of Spray Behavior in Complex Combustion Systems""; ""Chapter 8. Structure of a Coflow Laminar Spray Diffusion Flame""; ""Chapter 9. Coaxial Airblast Atomizers with Swirling Air Stream""; ""Chapter 10. Pressure Oscillation Effects on Jet Breakup""; ""Subject Area 2. Spray Combustion Modeling and Numerical Simulation""; ""Chapter 11. Simulation of High-Pressure Spray Field Dynamics""; ""Chapter 12. Numerical Simulation of Deformed Droplet Dynamics and Evaporation""

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