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Nota di contenuto	Nonlinear Dynamic Analysis of Elastic Robotic Arms -- Influence of the Modulus of Elasticity of the Jointed Material and Interlayers in Nodes with an Interlayer with a High TCLE -- Research on Imaging Method of Missile-borne Infrared Lateral Window Adapting to Deflection Light Path with Large Incident Angle -- Study on the Characteristics of Rollover Injury of Passenger on the Passenger Side of an Off-road Vehicle -- Study on the Failure Mechanism and Reliability of Silicon Aluminium Alloy under Impact Loading -- Analysis of Prefabricated Fragment Intrusion Damage Based on Complete Restart Technique -- Research on Topology Optimization Methods for Continuum Structures -- Flexible Thermal Invisibility Cloak with Meta-structures: Design and Fabrication -- Study on Interface and Joint Properties of Aluminum Alloy by High Power Ultrasonic Welding -- Mechanism of Collision and Adhesion Between Adhesive Impact Ball and Spacecraft.
Sommario/riassunto	This book provides select proceedings of the 3rd International

Conference on Applied Mechanics and Mechanical Engineering (ICAMME 2022). It covers the latest research in the fields of mechanics and mechanical engineering. Various topics covered in this book are engineering design, machinery and machine elements, mechanical structures and stress analysis, automotive engineering, engine technology, aerospace technology and astronautics, mechanical intelligent control and robotics, mechatronics, dynamical systems and control, fluid mechanics, industrial manufacturing and applied mechanics. The book will be useful for researchers and professionals working in the various fields of mechanical engineering.
