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| | Quality Management using Total Quality Management Principles Design and Field Trials of a Payload Recovery Device for Tethered Aerostats Design of an Effective Subsonic Wing Cross-Section using Viscous-Inviscid Interactive Method Computational Study of Various Longitudinal Fin Profiles Dynamic Modeling and Simulation of Flapping Wings UAV Off Line Performance Measures of Two wheeler Engine – In Automatic Objective Method Optimization of Variable Speed Turbo Coupling in Boiler Feed Pump Cyclic Life Estimation of Turbine Rotor Blade Fitted in a Twin Spool Turbojet Engine CFD Analysis of Swirl Enhancement in a Direct Injection Diesel Engine with Vortex Generator in Inlet Manifold Numerical Study of Air-Intake Performance of a Scramjet with Strut Blockage at Various Angle of Attacks Numerical Study of Aerodynamic Characteristics of Triangular Flapping Wing for MAV Numerical Analysis of Suppression of Laminar Bubble at Low Reynolds Number using Different Protrusions Numerical Simulation of Rayleigh-Bernard Convection in Enclosures Filled with Nanofluid A Conceptual Design of Versatile Furtive Craft Reduction of the Passage between the Flame Tubes of the Combustor for a Millimetre Size Gas Turbine Engine in the Art of Micro Machine Technology Influence of Temperature on Mechanical Characterisation of Basalt/Epoxy Owen Fabric Composites Designing and Controlling the Performance of FMS - Application of Principle Component Analysis Improved Methods for Thermal and Compression Testing of Carbon Foams Integration of eLCAr Guidelines into Vehicle Design Design of Magnetic Wheel Rotor The Effect of Injection Pressure on Engine Performance while the Engine is running on Electrolytically Generated Hydrogen Oxygen Mixture Design and Fabrication of Air Pre-heater for Diesel Engine Studies on Tropical Conditions in Hot Sunny Days in India and their Effects on Interior Temperature Rise in Truck Cabin Impact of Co2 addition on Syngas Formation in the Catalytic Pa |
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| Sommario/riassunto | The book presents the best articles presented by researchers, academicians and industrial experts in the International Conference on "Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering". The book discusses new concept designs, analysis and manufacturing technologies, where more swing is for improved performance through specific and/or multifunctional linguistic design aspects to downsize the system, improve weight to strength ratio, fuel efficiency, better operational capability at room and elevated temperatures, reduced wear and tear, NVH aspects while balancing the challenges of beyond Euro IV/Barat Stage IV emission norms, Greenhouse effects and recyclable materials. The innovative methods discussed in the book will serve as a reference material for educational and research organizations, as well as industry, to take up challenging projects of mutual interest. |
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