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Nota di contenuto	Bio-heat transfer analysis for laser based therapeutic applications -- Perturbation and MAPLE quadrature computation of thermo-solutal dissipative reactive convective flow in a geothermal duct with robin boundary conditions -- Fluid structure interaction analysis in an atherosclerosis carotid artery -- Effect of substrate inclination on post impact dynamics of droplets -- Modelling and analysis of dusty fluid flow past a vertical surface with exothermic and endothermic kind of chemical reactions -- Entropy generation analysis and slip effects on

nanofluid flow with heat and mass transfer -- Influence of isothermal cylinders at different shape and separation angle in a rectangular channel on mixed convection flows -- Rheology of power- law nano-fluid flow past a stretching sheet.

Sommario/riassunto

This book comprises the select proceedings of the International Conference on Recent Trends in Developments of Thermofluids and Renewable Energy (TFRE 2020). The major topics covered include aerodynamics, alternate energy, bio fuel, bio heat transfer, computational fluid dynamics, control mechanism for constant power generation, and energy storage. The book also discusses latest developments in the fields of electric vehicles, hybrid power systems, and solar and renewable energy. Given the scope of its contents, this book will be useful for students, researchers, and professionals interested in the field of thermofluids and renewable energy resources.
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