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	Nota di contenuto	Frontmatter -- Contents -- Foreword -- Editor -- Analytical study of Küppers-Lortz instability in a Newtonian-Boussinesq liquid with rigidisothermal boundaries -- Quadratic radiation and quadratic Boussinesq approximation on hybrid nanoliquid flow -- Convective heat transfer of magneto flow of Fe3O4-MWCNT/H2O hybrid nanofluid in a porous space between two concentric cylinders -- Computational analysis of bioconvection in magnetized flow of thixotropic nanofluid with gyrotactic microorganisms -- On the features of Stefan blowing magnetized flow of bioconvected nanofluid through slip conditions -- Computer-assisted successive linearization solution of the Darcy-Forchheimer-Brinkman flow through a rectangular channel -- Linear and non-linear instability analysis of the onset of magnetoconvection in couplestress fluids with thermorheological effect -- Two-component convection in micropolar fluid under time-dependent boundary concentration -- A numerical study of metal hydride reactor embedded with helical coil heat exchanger -- Dynamics of non-Newtonian nanoliquid with quadratic thermal convection -- List of contributors
	Sommario/riassunto	This book aims to include various significant research topics of mathematical fluid mechanics having relevance or applications in engineering and applied sciences, covering the tools and techniques used for developing mathematical methods and modelling related to