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Techno Feasibility Study Of The Solar Chimney With Storage: A Case Study Based On Climatic Data From The States Of North-Eastern India -- Fault Diagnosis In Rotating Machines Using Vibration Analysis -- Forced Convection Heat Transfer Around A Isothermal Sphere For Low Prandtl Numebrs -- Rayleigh-Benard Convection In A Rectotrapezoidal Enclosure -- An Experimental Analysis Of Free Convection In The Top Open And Side Vented Inclined Cavity With The Bottom Heated Plate -- Comparison Of 2D And 3D CFD Based Models Of Tuned Liquid Dampers -- Prediction Of Store Separation Trajectories Of The Eglin Test Model Using Cradle CFD.

Sommario/riassunto

This book presents select proceedings of the 4th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2023). Various topics covered in this book volume are intelligent manufacturing systems, tribology, nanomechanics, MEMS, solar thermal energy, design engineering, materials, conventional and non-conventional machining, etc. The book is useful for researchers and professionals working in the different areas if mechanical engineering.