

New approaches in modeling multiphase flows and dispersion in turbulence, fractal methods and synthetic turbulence

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20398582&lokasi=lokal>

Abstrak

This book contains a collection of the main contributions from the first five workshops held by Ercoftac Special Interest Group on Synthetic Turbulence Models (SIG42). It is intended as an illustration of the sig's activities and of the latest developments in the field.

This volume investigates the use of Kinematic Simulation (KS) and other synthetic turbulence models for the particular application to environmental flows.

This volume offers the best syntheses on the research status in KS, which is widely used in various domains, including Lagrangian aspects in turbulence mixing/stirring, particle dispersion/clustering, and last but not least, aeroacoustics.