

Fluid Dynamics In Physics, Engineering And Environmental Applications

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The book contains invited lectures and selected contributions presented at the Enzo Levi and XVII Annual Meeting of the Fluid Dynamic Division of the Mexican Physical Society in 2011. It is aimed to fourth year undergraduate and graduate students, and scientists in the field of physics, engineering and chemistry that have interest in Fluid Dynamics from the experimental and theoretical point of view. The invited lectures are introductory and avoid the use of complicate mathematics. The other selected contributions are also adequate to fourth year undergraduate and graduate students. The Fluid Dynamics applications include multiphase flow, convection, diffusion, heat transfer, rheology, granular material, viscous flow, porous media flow, geophysics and astrophysics. The material contained in the book includes recent advances in experimental and theoretical fluid dynamics and is adequate for both teaching and research. EAN/ISBN : 9783642277238 Publisher(s): Springer, Berlin Discussed keywords: Fluidodynamik Format: ePub/PDF Author(s): Klapp, Jaime - Medina, Abraham - Cros, Anne - Vargas, Carlos

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