

PHYS 616. MULTIFRACTALS AND TURBULENCE.

Credits: 3

Offered by: Physics (Graduate Studies)

This course is not offered this catalogue year.

Description

This course assumes knowledge of basic probability theory and Fourier analysis. The subjects covered are: scale-invariant sets: fractal geometry, scale-invariant fields: multifractal fields and processes, aspects of hydrodynamic turbulence, multifractal data analysis techniques, generalized scale invariance, space/time scaling, causality.

• 3 hours

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