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**Quantum Turbulence in a Small Bose-Einstein Condensate:
Characterization and New Effects**

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The notion of turbulence in the quantum world was conceived long ago, but the occurrence of turbulence in ultracold gases has been studied in the laboratory only very recently. The topic *offers* new paths and perspectives on the problem of turbulence. The small size creates specific characteristics experimentally observed. In this presentation, we review the general properties of quantum gases at ultralow temperatures paying particular attention to vortices, their dynamics and turbulent behavior. Measurement of the energy spectrum using two techniques will be discussed and related to the present understanding of the theory. Identification of turbulence type based on energy spectrum determination shall be included. Applications of the turbulent cloud, when in the expansion, will be discussed.

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