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Speaker: Romuald A. Janik

Title: A perfect fluid hydrodynamic picture of domain wall velocities

Abstract: When domains of two phases are in contact away from the first order phase transition, the imbalance of pressures leads to the motion of the domain wall. Ultimately, the domain wall moves with a constant velocity. Typically the determination of the velocity is challenging and is thought to incorporate out-of-equilibrium physics. In this talk I argue that in the case of a range of holographic examples, the velocity can be understood in a simple way essentially in terms of the equation of state and perfect fluid hydrodynamics.