

Pole collisions and effective actions in holographic theories

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I will discuss the convergence properties of hydrodynamic modes from holographic pole collision. I will focus on a particular holographic system with an infrared semi-local quantum liquid phase, and explain the different physical consequences due to two types of lowest non-hydrodynamic modes. Finally, I will describe the Schwinger-Keyldysh effective actions incorporating these non-hydro modes.

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