

Bubble Expansion at Strong Coupling & General Backreaction Force

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In this report, we show our recent two works. In one of the works, we focus on the backreaction force and point out that besides the friction force, the thermal force should also be taken into consideration. Besides the plasma near the wall, the sound shell and the shock front will also contribute to the backreaction force. In the other work, we derive the test formula for the holographic simulations and get the simulation results analytically. For both of our works, we focus on the system beyond the bag equation of state.

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