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Holographic non-conformal hydrodynamization

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"We numerically solve the collision of shock-waves in a holographic model with a non-trivial scalar field. We adjust the scalar field potential such that the bulk space-time coincides with AdS in the
infrared and in the ultraviolet with different AdS radius. This introduces a non-trivial running of the dual gauge theory coupling
constant which we choose at our convenience. We study the effect of this non-conformality on the the hydrodynamization of the system and focus on the effect of the non-trivial equation of state and the effect of bulk viscosity."

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