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Holographic model for neutron star with color superconductivity in the inner core

In this project, we use the Einstein Gauss Bonnet gravity for this holographic model. The crust contains baryon phase correspond the instanton gas in AdS soliton solution and the core color superconductivity (CSC) phase correspond to the AdS black hole. We use this model to compute the equation of state of this type of compact star

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