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Effective LTB: from dust collapses to regular black holes

Monday 6 May 2024 15:30 (15 minutes)

In this talk I will present a framework which allows to construct effective LTB models starting from a polymerized spherical symmetric model. Then I will focus on dust collapses and show how these results can be related via coordinate transformations to other models in the literature. At last I want to analyze polymerized vacua and explore the formulation of a Birkhoff like theorem as well as the link to well known regular black hole metrics.

Authors: Dr LIU, Hongguang (Friedrich-Alexander Universität Erlangen-Nürnberg); Prof. GIESEL, Kristina (Friedrich-Alexander Universität Erlangen-Nürnberg); Prof. SINGH, Parampreet (Louisiana State University); WEIGL, Stefan (Friedrich-Alexander Universität Erlangen-Nürnberg)

Presenter: WEIGL, Stefan (Friedrich-Alexander Universität Erlangen-Nürnberg)

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