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Future stability of the Einstein-non-linear scalar field system, power law expansion

Monday 14 April 2008 14:00 (1 hour)

In the case of Einstein's equations coupled to a non-linear scalar field with a suitable exponential potential, there are solutions for which the expansion is accelerated and of power law type. In the talk I will discuss the future global non-linear stability of such models. The results generalize those of Mark Heinzle and Alan Rendall obtained using different methods.

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