

GLOBAL DYNAMICS OF THE HOŘAVA-LIFSHITZ COSMOLOGICAL MODEL IN A NON-FLAT UNIVERSE WITH NON-ZERO COSMOLOGICAL CONSTANT

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ABSTRACT. In the case of non-zero cosmological constant the global dynamics of the cosmological model based on Hořava-Lifshitz gravity in a non-flat universe is characterized by using the qualitative theory of differential equations.

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Key words and phrases. Global dynamics; Hořava-Lifshitz; non-flat universe; cosmology constant.