

Gravitational slip in modified gravity theories

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In many models of acceleration of the expansion of the Universe, perfect fluids give rise to gravitational slip. In very broad classes of such models, the propagation of gravitational waves is also altered. I will discuss the connection between these two phenomena within broad classes of modified gravity theories which introduce one extra degree of freedom while addressing the following question: Is it possible to screen away gravitational slip in models which have non-standard propagation of gravitational waves?