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Asymmetric kink solutions of hyperbolically deformed model

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We study some properties of kink solutions of a model with non-polynomial potential obtained by deforming the well-known ϕ^6 field model. We consider the excitation spectrum of the kink. We also discuss the properties of the 'kink+antikink' system as a whole that are not inherent to a solitary kink or antikink.

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