## ASYMPTOTIC STABILITY FOR SOME NONLINEAR KLEIN-GORDON EQUATIONS FOR ODD PERTURBATIONS IN THE ENERGY SPACE

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Showing asymptotic stability in one dimensional nonlinear Klein-Gordon equations is a notoriously difficult problem. In this talk I will describe an approach based on virial estimates which allows to prove it in case when only odd perturbations are allowed. In particular I will discuss asymptotic stability of the kink in the  $\phi^4$  model.