

JOINT TUFTS/MIT COSMOLOGY SEMINAR

Dynamics of Excited Solitons

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Many solitonic configurations in field theory have localized bound states in their spectrum of linear perturbations. This opens up the possibility of having long lived excitations of these solitons that could affect their dynamics. In this talk we will describe in detail how these states appear in some field theory models of low dimensionality like kinks in 1+1 dimensions and vortices in 2+1 dimensions and study their dynamical properties through a series of numerical experiments.

Tuesday, November 23, 2021, 2:30 pm

Zoom link will be distributed to joint cosmology seminar mailing list. If not subscribed see <https://cosmos.phy.tufts.edu/mailman/listinfo/cosmology-seminar>

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