

Soliton perturbation theory for phi-four model and nonlinear Klein-Gordon equations

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This talk is on the study of adiabatic variation of the soliton velocity, in the presence of perturbation terms, of the phi-four model and the nonlinear Klein-Gordon equations. There are four types of models of the nonlinear Klein-Gordon equation, that will be talked about. The soliton perturbation theory is utilized to carry out this investigation.