

Mathematics Department Colloquium

Organizer: Olga Holtz

Thursday, 4:10–5:00pm, 60 Evans

Nov. 13 **Galina Perelman**, École Polytechnique
Soliton dynamics, scattering and blow up

Abstract: I'll survey the results and the problems related to the soliton dynamics in nonlinear dispersive equations, their stability, asymptotic stability, interaction and the role they play in the formation of singularities in the critical cases.