

Stanford Department of Mathematics Colloquium

ADJOINT METHODS FOR NONCONVEX HAMILTON-JACOBI EQUATIONS

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Abstract

I will explain a new method for studying Hamilton-Jacobi PDE with nonconvex Hamiltonians. The new idea is to introduce appropriate solutions to the adjoint of the formal linearization: this leads to new integration-by-parts techniques that augment the standard maximum principle tricks.

Thursday, April 9,
4:15 p.m.
Bldg. 380, Room 380-W.

<http://math.stanford.edu/coll/0809/>