

COLLOQUIUM

Traveling waves in lattices of coupled pendula

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Chains of coupled pendula arise as models of several physical phenomena and exhibit rich and sometimes counterintuitive dynamics (even the statics is highly nontrivial: analysis of the equilibria amounts essentially to the Aubry–Mather theory). I will review some old and some new results, and will pose some open problems.

The lecture will take place in Thackeray 704 at 3:30pm.
Refreshments will start at 3:00pm.