

CNASC Seminar

Speaker

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**Tuesday, March 26, 2019
1pm, HH-3017**

A Variational Integrator and its Derivation: Part 2

Abstract:

A variational integrator is built around a discretization of the continuous Euler-Poincare reduction framework for Eulerian hydrodynamics. The discretization of the continuous Euler-Poincare equations will be described by an example. Standard test cases will be presented to verify the accuracy and conservational properties of the discrete variational integrator.