

Abstract Submitted
for the MAR13 Meeting of
The American Physical Society

Dynamics of Linked and Knotted Vortices DUSTIN KLECKNER,
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developed experimental methods have allowed us to generate topologically linked
fluid vortices for the first time. The intrinsically geometric nature of vortex dynamics
allows us to measure physical quantities, such as energy, by reconstructing the core
centerline in three-dimensions using high-speed laser scanning tomography. This
novel approach offers insights into the evolution of linked and knotted vortices up
to and through changes in topology.

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Date submitted: 09 Nov 2012

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