

Abstract Submitted
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Untying vortex knots in fluids and superfluids DUSTIN KLECKNER, UC Merced, MARTIN SCHEELER, HRIDESH KEDIA, WILLIAM T. M. IRVINE, University of Chicago — Recent work has demonstrated that vortex knots appear to always untie in fluids and superfluids. Should we expect the same behavior from these two very different systems? I will discuss this unknotting behavior, both quantitatively – through helicity – and qualitatively through the geometry and topology of the vortex lines as they evolve.

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