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Search for Euler Singularities with Interacting Vortex Filaments SAHAND HORMOZ, MICHAEL BRENNER, School of Engineering and Applied Sciences, Harvard University — A possible mechanism for realization of the Euler Singularity is interacting vortex filaments. Numerical simulations, however, have failed to identify initial conditions leading to a singularity. We present recent work on use of similarity solutions to assess the potential for singularity formation for arbitrary initial configurations of interacting vortex filaments.

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