

Abstract Submitted
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Streamline Topology of Helical Fluid Flow MORTEN ANDERSEN,
Technical University of Denmark — An incompressible velocity field with helical symmetry is investigated. Helical symmetry means the velocity field “looks” the same as one moves on a given helix. This means a stream function can be constructed. The focus is on a proper description of helical symmetry and a bifurcation analysis of a flow with helical symmetry - the helical vortex filament.

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