

Abstract Submitted
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Instabilities of ordered chiral active suspensions TAPAN ADHYAPAK, CCMT, Department of Physics, Indian Institute of Science, Bangalore 560 012 INDIA, DAVIDE MARENDUZZO, The School of Physics, The University of Edinburgh, James Clerk Maxwell Building, The Kings Buildings, Mayfield Road, Edinburgh EH9 3JZ, UK , SRIRAM RAMASWAMY, CCMT, Department of Physics, Indian Institute of Science, Bangalore 560 012 INDIA — Suspensions of actively contractile or tensile filaments with simple orientational order are hydrodynamically unstable. Here we study, analytically as well as numerically, the manner in which the presence of cholesteric order competes with this instability.

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