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Inviscid linear stability of a Vatistas-trailing line vortex HOSSEIN ABDOLLAHI, Concordia University, HAMID AIT ABDERRAHMANE, GEORGIOS H. VATISTAS, Concordia University — The paper examines the inviscid linear stability of a Vatistas-trailing line vortex using normal mode analysis. The employed numerical method is based on the Riccati transformation. The stability of Vatistas-trailing line vortex is discussed with respect to the well-known Batchelor's trailing line vortex. The results show that Vatistas' vortex is more stable.

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