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**A Comparison of the Scalar and Vorticity Criterion defining the T/NT Interface** JONAS BOSCHUNG, FABIAN HENNIG, NORBERT PETERS, Institute for Combustion Technology — Free shear flows are characterized by a turbulent core region, a non-turbulent outer flow and a turbulent/non-turbulent interface separating the two zones. While there exist different approaches to identify this transitional region, the interface position is mostly defined to coincide with the isoscalar surfaces of either a passive scalar or the magnitude of the vorticity. Both criteria are examined and compared using a shear layer DNS.

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