

Abstract Submitted
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Coherent structures in stratified plane Couette flows DANIEL OLVERA, RICH KERSWELL, University of Bristol — Wall-bounded shear flows typically follow a subcritical transition scenario where finite amplitude solutions unconnected to the basic flow play a key role. Edge tracking has been very useful in finding some of these by following the laminar-turbulent boundary in phase space for many canonical shear flows. However, it has yet to be used to probe stratified flows. We will discuss the results of edge tracking in stably-stratified plane Couette flow over large and small domains.

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