Vertically localized equilibrium solutions in the large eddy simulation of homogeneous shear flow

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Both lower- and upper-branch solutions are vertically localized. The upper-branch solution is characterized by tall structures, while the lower-branch forms in the critical layer as in the asymptotic theory of shear flows at high-Reynolds numbers (K. Deguchi & P. Hall, Phil. Trans. R. Soc A, 372:20130352 (2014)).

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