Bizarro and Vilela Mendes (TH/P6-3): Growth estimates, control and structures in a two-field model of the scrape-off layer

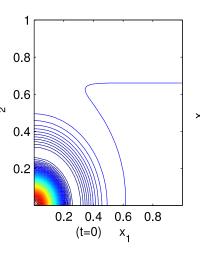


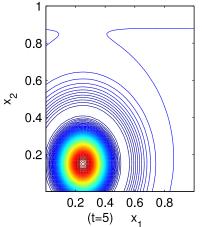


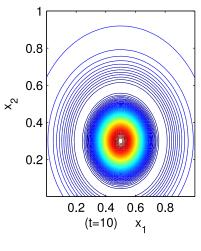




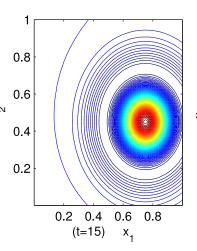
Analytical solutions of the travelling-wave type have been derived for the conservative part of a standard two-field (density plus vorticity) 2D model of the SOL.

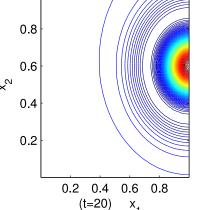


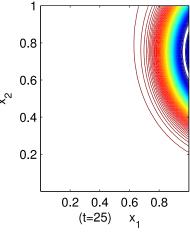




These might be the conservative ancestors of the collective structures (i.e. blobs) seen in experiments and in simulations.







Snapshots with contour plots of the logarithmic density