

3D Axisymmetric Vortex Sheets and A Liouville Theorem for the 3D Axisymmetric Steady Euler Equations

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Abstract

In this talk, we will present some recent results on strong convergence of 3D axisymmetric vortex sheets problem of the 3D axisymmetric Euler equations without swirl, in unsteady case and steady case. Also, a Liouville type theorem of the 3D axisymmetric steady Euler equations will be proved. These results are joint with Professor Zhouping Xin.