
JEAN-CHRISTOPHE NAVE, McGill University

Solving Incompressible 2D Euler's Equations with Exponential Resolution

In this talk I will present a new method to solve the incompressible 2D Euler's equations. The proposed approach exploits the geometrical structure of the equations. The end result is an algorithm which runs in linear-time and possesses exponential resolution, thus able to represent arbitrary small-size features in the solution.