

DIFTA

5 November 2002
08:30 – 10:00 in F3

Helge Holden

On the equivalence between the Eulerian and the Lagrangian equations of gas dynamics.

Abstract: It is well-known that one can describe gas dynamics in either Eulerian or Lagrangian coordinates, giving rise to two different systems of nonlinear partial differential equations. It is not clear, but nevertheless true, that there is a one-to-one correspondance between solutions of the two systems. This issue will be discussed.