

Orimar Sauri

Modelling 2 Dimensional Turbulence via Ambit Fields

This talk is based on a joint work with O.E. Barndorff-Nielsen and Jürgen Schmiegel

Motivated by the 2 dimensional turbulence framework, we build two classes of isotropic and stationary ambit fields that are incompressible, rotational and with non-null skewness on its projected increments. We employ two different approaches. In the first, we give a direct specification of the ambit field, while in the second we use the concept of stream functions.