

Parabolic H-measures

The original H-measures, as introduced by Gerard and Tartar, have proved as a conventional tool in applications to hyperbolic problems. In order to study other type of problems, specially parabolic ones, some variants have been constructed. The choice of *the most suitable* variant, called parabolic H-measures, will be presented, as well as its basic properties: the localisation and propagation one. Applications to some equations (Schrödinger's, the heat and the vibrating plate equation), and to small amplitude homogenisation will be demonstrated as well.