

Title: A nonlinear interpolation result with application to nonlinear semigroups

Abstract:

In this talk, I want to present a new nonlinear interpolation theorem, which improves Peetre's (Theorem 3.1 in [Mathematica1970]) and Tartar's (Théorème~4 in JFA1972) nonlinear interpolation results. In order to highlight the strength of this result I will provide some applications to nonlinear semigroups.

The results present in this talk are obtained in joint work with Thierry Coulhon (PSL, Paris)