



Semigroups associated with systems of elliptic PDE's with unbounded coefficients

L. Lorenzi¹

Keywords: systems of elliptic and parabolic equations with unbounded coefficients, semigroups of bounded operators, C_b - and L^p -theory.

Introduction. In this talk, I will survey on recent and less recent results related to systems of elliptic and parabolic equations with unbounded coefficients set in the whole \mathbb{R}^d . I will consider both the C_b - and the L^p -setting (mainly with respect to the Lebesgue measure).

¹Department of Mathematics, Physics and Computer Sciences, University of Parma (Italy). Email: luca.lorenzi@unipr.it