

The role played by the rotational inertia in some plate equation models.

Prof. Dr. Marcello Dabbicco
Universidade de Bari - Itália

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RESUMO

In this talk, we will present several plate models, and compare the influence of the roots of the full symbol in the linear estimates, applied to study semilinear forward Cauchy problems in the whole n -dimensional space. A special emphasis is given to the role played by the rotational inertia term, and to what changes when it is added or not to the equation.