Istituto di MAtematica Applicata e Tecnologie Informatiche (CNR)
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Seminario di Matematica Applicata

Martedì 25 Febbraio alle ore 16 a Pavia, nella Sala Conferenze dell'IMATI-CNR (ex IAN), il

Prof. Michel Crouzeix
(University of Rennes)

terrà la conferenza:

Holomorphic calculus, numerical range and time discretization of PDE

Abstract. The holomorphic calculus plays a prominent part as for the theory of time dependent problems than for the analysis of their time discretizations. For instance the semigroup theory is based on the rational approximation

$$e^{-z} = \lim_{n\to\infty} (1 + z/n)^{-n},$$

which is nothing else that the approximation of the differential equation $u' + u = 0$ by the backward Euler method.

The talk will be mainly concerned with some new developments in hilbertian operator theory, which have interesting applications in the stability study of time discretization schemes.

La S.V. è cordialmente invitata.

☕ Dopo la conferenza sarà organizzato un breve rinfresco ☕