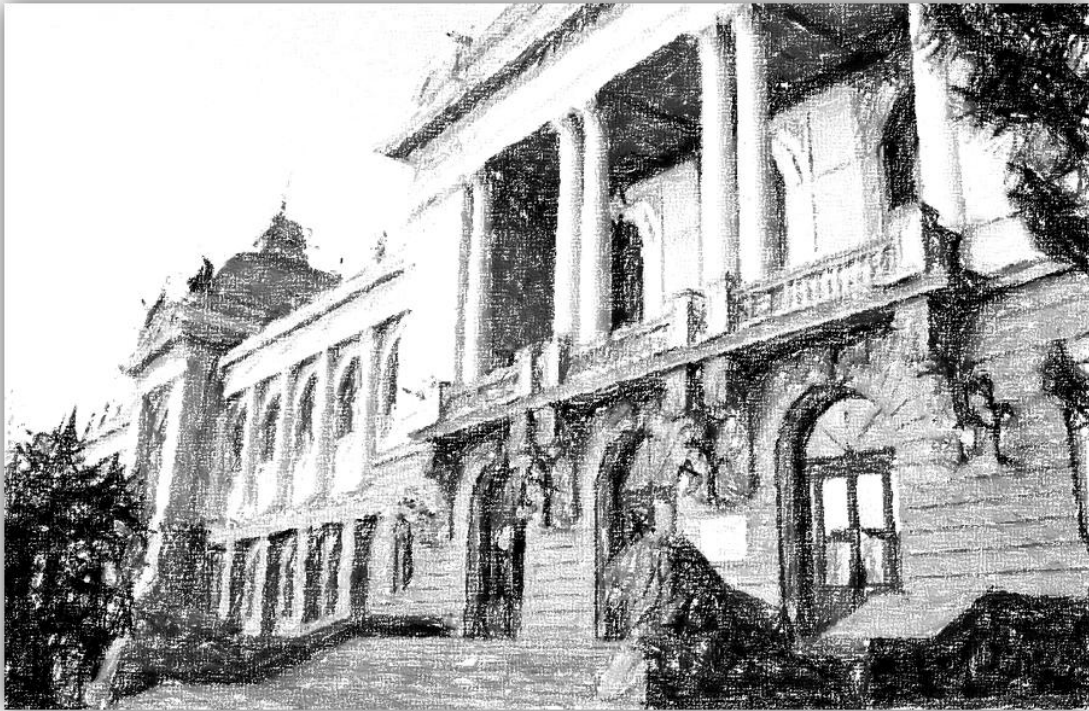


CONFERINȚELE FACULTĂȚII DE MATEMATICĂ

IAȘI

MATHEMATICS COLLOQUIUM

14 MARTIE 2025, 14:00, AMF. "AL. MYLLER"



Liviu IGNAT

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Approximations of the best constants

Abstract : In this talk we consider some well known quotients related with either eigenvalue problems, Sobolev or Hardy's inequality. We consider the infimum of these quotients and their discrete analogous in a finite element subspace. We estimate the difference between the best constants above as the discretization parameter goes to zero and obtain sharp convergence rates.