

Asymptotics of Cauchy biorthogonal polynomials

05.01**Guillermo López Lagomasino***(Universidad Carlos III de Madrid, Spain)***Time:** Monday 22.07., 10:30 - 11:00, Room HS 3

Abstract: We consider sequences of biorthogonal polynomials with respect to a Cauchy type convolution kernel and give the weak and ratio asymptotic of the corresponding sequences of biorthogonal polynomials. The construction is intimately related with a mixed type Hermite-Padé approximation problem whose asymptotic properties is also revealed.

This is joint work with Sergio Medina Peralta and Ulises Fidalgo