

MATH COLLOQUIUM

Some connections between linear and quadratic dynamics

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Time : 15:00

Place : TB 250, Boğaziçi Üniversitesi

Abstract: We will consider certain iterated function systems of two linear maps and the associated linear dynamics defined on their (self-similar) attractors. We will show that under certain conditions the dynamics of these systems are conjugate to those on the corresponding quadratic Julia sets (attractors of polynomials of the form z^2+c). Moreover, the conjugation can be extended to a globally quasiconformal map of the Riemann sphere.

Tea and coffee will be served at 15:00