

Seminario de Análisis Complejo y Temas Relacionados, UAM

Día y hora: Miércoles, 09/07/2014, a las 11:00 (No habituales)

Aula: 520, Módulo 17, Depto. de Matemáticas

On certain linear invariant families of harmonic mappings

Prof. María José Martín

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We study the order of affine and linear invariant families of planar harmonic mappings with bounded Schwarzian norm. By means of Marty's relations, we determine sharp estimates for its order that show consistency between the conjectured order and bound for the Schwarzian norm in the family of sense-preserving univalent harmonic mappings in the unit disk. This is a joint work with Professors M. Chuaqui and R. Hernandez (Chile).