

Operator Theory and Analytic Function Spaces

Affine and linear invariant families of harmonic mappings

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We establish a generalization of Pommerenke's result that gives the order of the family of holomorphic mappings of bounded Schwarzian norm by deriving the analogous result for harmonic mappings. Our result shows consistency between the conjectured value for the order of the class S_H and one natural candidate for being extremal for the Schwarzian norm. Joint work with M. Chuaqui and R. Hernández.