

Dilluns 4 d'octubre del 2010, 15:00h

Aula Petita del C.R.M.

Burkholder integrals, Morrey's conjecture and quasiconformal mappings

KARI ASTALA

University of Helsinki (Finland)

ABSTRACT: Burkholder functional provides a bridge between Martingale inequalities and singular integrals; it has been found valuable also in the vector valued calculus of variations. In this talk we discuss sharp integral bounds for this functional, using methods from quasiconformal mappings and interpolation.