
*Workshop dedicated to the memory of Professor Gabriela Kohr
(3rd edition)*

Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

Cluj-Napoca, Romania

1–3 December 2023

Nonlinear Dirichlet forms associated with quasiregular mappings

Lucian Beznea

Simion Stoilow Institute of Mathematics of the Romanian Academy, Bucharest,
Romania

Abstract

We present a general procedure of constructing nonlinear Dirichlet forms in the sense introduced by Petra van Beusekom, starting from a strongly local, regular, Dirichlet form, admitting a carré du champ operator. As a particular case, we shall describe the nonlinear form associated with a quasiregular mapping.