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

A note on the boundedness of the local index of quasiregular mappings

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Abstract

We introduce an integrability condition for the reciprocal of the Jacobian determinant which guarantees the boundedness of the local index of quasiregular mappings. We also study the uniform limits of quasiregular mappings for which such an integrability condition of the reciprocal of the Jacobian holds uniformly.