
Workshop dedicated to the memory of Professor Gabriela Kohr
(4th edition)

Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

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Deformations of functions germs with constant Jacobian ideal

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Abstract

We consider families of germs of real or complex analytic functions $F_t : (\mathbb{R}^n, 0) \rightarrow (\mathbb{R}, 0)$ or $F_t : (\mathbb{C}^n, 0) \rightarrow (\mathbb{C}, 0)$ such that the Jacobian ideal (∂F_t) is independent of t . We discuss topological consequences of this independency. Joint work with Matteo Stockinger and Mihai Tibăr.