
*Workshop dedicated to the memory of Professor Gabriela Kohr
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Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

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Best Möbius approximations of convex and concave mappings

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Abstract

We study the best Möbius approximations to convex and concave conformal mappings of the disk, including the special case of mappings onto convex polygons. The crucial factor is the location of the poles of the BMAs. Finer details are possible in the case of polygons through special properties of Blaschke products and the prevertices of the mapping function.

This is joint work with Brad Osgood.