



Paul M. Gauthier (gauthier@dms.umontreal.ca), Department of Mathematics & Statistics, Université de Montréal, Montreal, Canada, *The Landau theorem and Bloch theorem for planar harmonic and pluriharmonic mappings.*

ABSTRACT. For a normalized quasiregular pluriharmonic mapping f of the unit ball B^n of \mathbb{C}^n into \mathbb{C}^n , we estimate the supremum of numbers R such that some subdomain Ω of the ball is mapped by f diffeomorphically onto some ball of radius R . Our estimates significantly improve earlier estimates, even in the case of harmonic functions in the disc.

This is a joint work with Huaihui Chen.