

## Implicit functions and diffeomorphisms without $C^1$

Leonid Hurwicz<sup>1</sup> and Marcel K. Richter<sup>2</sup>

<sup>1</sup> Department of Economics, University of Minnesota, 271 19th Avenue South,  
Minneapolis, MN 55455, USA

<sup>2</sup> Department of Economics, University of Minnesota, 271 19th Avenue South,  
Minneapolis, MN 55455, USA

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**Abstract.** We prove implicit and inverse function theorems for non- $C^1$  functions, and characterize non- $C^1$  diffeomorphisms.

**Key words:** Implicit function theorem, inverse function theorem, diffeomorphism, non- $C^1$  analysis