1047-30-90   **Leonid V. Kovalev*** (`lvkovale@syr.edu`), Department of Mathematics, Syracuse University, 215 Carnegie Building, Syracuse, NY 13244-1150, and **Jani Onninen**. *On invertibility of Sobolev mappings.* Preliminary report.

We prove local and global invertibility of Sobolev solutions of differential inclusions $Df(x) \in K$ a.e., where K is a certain set of $n \times n$ matrices. This result is new (and sharp) even for quasiregular mappings in two dimensions. (Received January 19, 2009)