1057-35-398 **Zhuomin Liu*** (zhl26@pitt.edu), Department of Mathematics, 301 Thackeray Hall, University of Pittsburgh, Pittsburgh, PA 15217, and **Pawel Konieczny**. A new proof of Liouville's theorem. Preliminary report.

We provide a new proof of the Liouville's theorem about conformal mappings in the dimension at least three under the assumption that the mapping is 1-quasiconformal. Our method is based on the study of regularity of a conformal killing field generated by the mapping. (Received January 26, 2010)