1020-51-248 **Xiao Zhong*** (zhong@maths.jyu.fi), Department of Mathematics and Statistics, University of Jyväskylä, 40520 Jyväskylä, Finland. *Mappings of finite distortion: discreteness and openness.*

I will talk about a new proof of the folllowing known result: a mapping of finite distortion $f : \Omega \subset R^n \to R^n$ is either constant or both discrete and open, provided that its distortion function $K \in L^1_{loc}(\Omega)$ if $n = 2$; $K \in L^p_{loc}(\Omega)$ for some $p > n - 1$ if $n \geq 3$. This is a joint work with Jani Onninen. (Received August 29, 2006)