1024-42-226 **Steve M Hudson\*** (`hudsons@fiu.edu`), Mathematics Dept, FIU, University Park Campus, Miami, FL 33199, and **Laura De Carli**, Mathematics Dept, FIU, Miami, FL 33199. *Level curves of harmonic functions.* Preliminary report.

Let $u$ be harmonic on a neighborhood of the unit ball $B_1(0) \subset R^2$, and let $Z$ be the set where $u = 0$. If $Z$ crosses the unit circle in exactly two points, then the curvature of $Z$ at a point $x \in B_1(0)$ is bounded in terms of $|x|$. Some related results and conjectures will be presented. (Received January 09, 2007)