1025-30-44 **J.M. Anderson** and **Aimo Hinkkanen*** (aimo@uiuc.edu), Department of Mathematics, University of Illinois at Urbana-Champaign, 1409 W. Green St., Urbana, IL 61801.
Quasiconformal maps and substantial boundary points.

Let D be a bounded Jordan domain in the complex plane. We say that a boundary point z of D is a substantial boundary point for the affine stretch $f_K(x+iy) = Kx + iy$ in D, where $K > 1$, if the maximal dilatation of f is at least K for every quasiconformal mapping f of $U \cap D$, for any neighborhood U of z, such that $f = f_K$ on $U \cap \partial D$. It is known that if D has a non-zero angle at z, then z is not a substantial boundary point.

We prove that if there is a sequence of cross cuts of D tending to z such that D is narrow in a certain technical sense in this sequence, then z is a substantial boundary point of D for the affine stretch. (Received January 08, 2007)