

1011-35-72

**Steven D. Taliaferro\*** ([stalia@math.tamu.edu](mailto:stalia@math.tamu.edu)), Mathematics Department, Texas A&M University, College Station, TX 77843-3368. *Isolated Singularities of Nonlinear Elliptic Inequalities.*

We give conditions on a continuous function  $f: (0, \infty) \rightarrow (0, \infty)$  which guarantee that every  $C^2$  positive solution  $u(x)$  of the differential inequalities

$$0 \leq -\Delta u \leq f(u)$$

in a punctured neighborhood of the origin in  $\mathbf{R}^n$  ( $n \geq 2$ ) is asymptotically radial (or asymptotically harmonic) as  $|x| \rightarrow 0^+$ . (Received August 12, 2005)