

1020-35-229

Yifeng Yu* (yifengyu@math.utexas.edu). *A simple proof of the propagation of singularities for solutions of Hamilton-Jacobi equations.*

Several years ago, Albano and Cannarsa proved that under suitable conditions, the singularities for semiconcave solutions of Hamilton-Jacobi equations will propagate along the generalized Characteristics. In this talk, I will give a very simple proof of this interesting result. (Received August 28, 2006)