

1134-45-119

**Chenchen Mou\*** ([muchenchen@math.ucla.edu](mailto:muchenchen@math.ucla.edu)), 10982 Roebling Ave, Los Angeles, CA 90024.

*Perron's method for nonlocal fully nonlinear equations.*

This talk is concerned with existence of viscosity solutions of non-translation invariant nonlocal fully nonlinear equations. We construct a discontinuous viscosity solution of such nonlocal equation by Perron's method. If the equation is uniformly elliptic, we prove the discontinuous viscosity solution is Hölder continuous and thus it is a viscosity solution. (Received August 28, 2017)