

1127-76-385

**Guher Camliyurt\*** ([camliyur@usc.edu](mailto:camliyur@usc.edu)), 3620 S. Vermont Ave. Mathematics Department, Los Angeles, CA 90089, and **Igor Kukavica** ([kukavica@usc.edu](mailto:kukavica@usc.edu)), 3620 S. Vermont Ave. Mathematics Department, Los Angeles, CA 90089. *The Lagrangian and Eulerian analyticity for the Euler equations.*

We revisit preservation of analyticity and Gevrey regularity for the Euler equation. We provide a result on preservation of Gevrey norm and analyticity in Lagrangian formulation and discuss the validity of the result in the Eulerian variables. (Received February 07, 2017)