

1125-35-1668

**M Burak Erdogan\*** ([berdogan@math.uiuc.edu](mailto:berdogan@math.uiuc.edu)) and **Nikolaos Tzirakis**. *Regularity properties of the cubic NLS equation and the Zakharov system on the half-line.*

We discuss the local and global wellposedness of the cubic NLS equation and the Zakharov system on the half-line with rough initial and boundary data. We will also present a smoothing property that states that the difference of the solution and the associated linear solution is smoother than the initial data. (Received September 18, 2016)