

1043-35-3

**Alexandru Ionescu\***, University of Wisconsin. *Global Schrodinger maps: Small data in the critical Sobolev spaces.*

I will discuss recent results on the global regularity of Schrodinger maps in the case of small data in the critical Sobolev spaces. This is joint work with I. Bejenaru, C. E. Kenig, and D. Tataru. (Received April 25, 2007)