

1096-35-2008 **Paul Smith*** (smith@math.berkeley.edu) and **Baoping Liu**. *Wellposedness of the Chern-Simons-Schroedinger System*.

The Chern-Simons-Schroedinger model in two spatial dimensions is a covariant NLS-type problem and is L^2 critical. Joint work of the speaker with Baoping Liu and Daniel Tataru establishes local wellposedness in H^s , $s > 0$. More recent joint work of the speaker and Baoping Liu establishes stronger results under additional hypotheses. (Received September 17, 2013)