

**Meeting:** 1003, Atlanta, Georgia, SS 27A, AMS-SIAM Special Session on Analysis and Applications in Nonlinear Partial Differential Equations, I

1003-35-1085      **Carlos E Kenig\*** ([cek@math.uchicago.edu](mailto:cek@math.uchicago.edu)), Department of Mathematics, 5734 University Ave, Chicago, IL 60637. *Dispersive Interpolation Inequalities and Applications*. Preliminary report.

I will discuss a family of interpolation inequalities which have found applications to the study of non-linear dispersive problems, such as the K-Pi equations, the Schrodinger map problem and the hyperbolic-elliptic Ishimori system. (Received October 03, 2004)