## 1011-35-293

Qi S. Zhang<sup>\*</sup>, Math. Dept. UC Riverside, Riverside, CA. A parabolic equation with coefficients in a new Kato type class. Preliminary report.

We study a parabolic equation with coefficients in a new Kato type class which take into account of cancellation properties of the singular data. Existence of positive or bounded solutions are proven. (Received August 30, 2005)