

**Meeting:** 1005, Newark, Delaware, SS 13A, Special Session on Integral and Operator Equations

1005-45-195      **Ricardo Estrada\*** ([restrada@math.lsu.edu](mailto:restrada@math.lsu.edu)), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803. *Distributional solutions of integral equations*. Preliminary report.

We survey several recent results on the solution of integral equations in spaces of distributions. We study Cauchy and Carleman type integral equations in the space of tempered distributions. We also indicate how to treat endpoints by using the notion of multiplicative regularizator. (Received February 08, 2005)