

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

1005-41-174 **Yuesheng Xu*** (yxu06@syr.edu), Department of Mathematics, 215 Carnegie Hall, Syracuse University, Syracuse, NY 13244. *Fast Wavelet Methods of Solving Operator Equations.*

We will discuss recent development in fast wavelet methods for solving operator equations including Fredholm integral equations of the first and second kinds. Both theoretical results and numerical results will be presented. (Received February 08, 2005)