

APPLIED MATHEMATICS SEMINAR
Department of Mathematics
University of West Georgia
11:00 AM, WEDNESDAY, AUGUST 29, 2007, BOYD 330

Speaker: Dr. Vu Kim Tuan, UWG

Title: **Integral Equation with Toeplitz plus Hankel Kernel**

Abstract

We consider an integral equation with Toeplitz plus Hankel kernel

$$f(x) + \int_0^{\infty} [k_1(x+y) + k_2(|x-y|)] f(y) dy = g(x)$$

This problem in the general form is still unsolved. In this talk first we will consider the well-known cases $k_1 = 0$, $k_2 = 0$, and $k_1 = k_2$. After that we will link the general case to some generalized convolution.

All are welcome.