

APPLIED MATHEMATICS SEMINAR
Department of Mathematics
University of West Georgia
4 PM, MONDAY, MARCH 13, 2006, BOYD 330

Speaker: Dr. Nguyen Van Minh, UWG

Title: **Commuting Operators and Some Applications**

Abstract

Many problems of Mathematics, and in particular of Analysis and Differential Equations, lead to operator equations involving commuting operators. A thorough study of sums of commuting operators allows one to solve the operator equations, and hence, the problems from various areas of Mathematics.

In the first talk I will briefly discuss the method of commuting operators that is due to Grisvard and Da Prato and its applications to solve the Cauchy problem associated with an evolution equation. In the next talk, I will present some further applications of this method to study the asymptotic behavior of solutions of evolution equations like periodicity, almost periodicity, almost automorphy,...

All are welcome.