Department of Mathematics

Applied Mathematics Seminar

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Smoothing Strichartz Estimates for Parabolic PDEs

Abstract: In applied mathematics, it is often necessary to use sophisticated techniques from pure mathematics to answer important questions. In this talk, we will discuss how the methods taught in a typical undergraduate course in partial differential equations are not sufficient to study today's nonlinear equations. We then introduce some modern methods from pure mathematics, and discuss how they are applied in the modeling of a manufacturing process known as molecular beam epitaxy.

Wednesday May 8, 2024

3:30 – 4:30 PM

LO 1328

Faculty Host: Ali Pakzad