

Department of Mathematical Sciences
Colloquium

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*On Exponential Dichotomy for Linear Differential Equations
in Banach Spaces*

We explore the notion of exponential dichotomy for linear differential equations. Important features of this type of equations, like topological equivalence and structural stability, are presented, along with topological classification for linear ODEs via topological equivalence.

We will present new results extending some of the properties from finite dimensional or Hilbert spaces to Banach spaces. Several open problems will be mentioned.

**Friday, October 7, 2005 at 3 pm. in Bell Hall 143
The University of Texas at El Paso**

Refreshments will be served in front of the colloquium room,
15 minutes before the start of the colloquium.

For further information, please contact Dr. Pavel Šolín, Bell Hall 220. Phone:
(915) 747-6770, email: solin@utep.edu.