

Department of Mathematical Sciences Colloquium

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Assimilation and Accommodation of Newly Acquired Mathematical Information

The conceptualizations of the mathematical concept function are discussed when existing knowledge is dominated with nonmathematical meanings. Two intermediate algebra students' interviews indicate that the existing cognitive structures with nonmathematical origin may have implications for the conceptualization of newly acquired information. The analysis results of the students' interviews also imply that some of the conceptions of function reported in literature may have been the result of an assimilation and accommodation of newly acquired information to fit the existing nonmathematical knowledge.

**Friday, April 28, 2006 at 2 pm in Bell Hall 130A
The University of Texas at El Paso**

Please note the unusual time for the Colloquium.
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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.