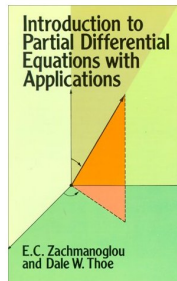


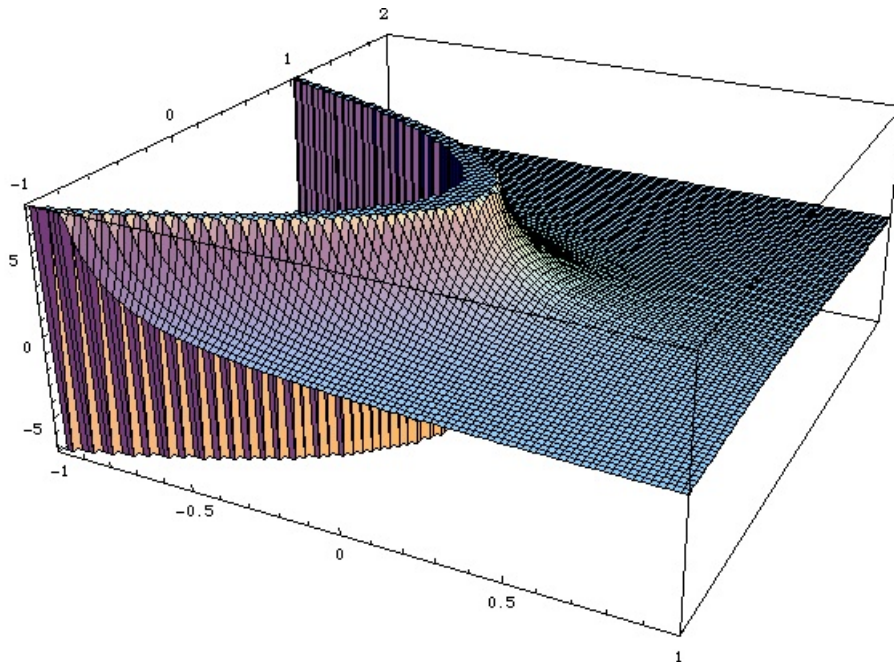
**SEMINAR ANNOUNCEMENT**  
**SPRING 2007**  
**MA399-B TOPICS IN APPLIED MATH**  
**MWF 10:30-11:20**

JOE J PEREZ, INSTRUCTOR

Below is an image of the cover of the text we will be using. This is an excellent book with many examples and applications of partial differential equations (PDE) to problems in geometry, physics, and engineering. Last time I checked, it cost about \$13.



What will be expected of the student is to solve and then plot the solutions to a variety of PDE problems coming from applications with the computational aid of *Maple* or *Mathematica*. Students will rapidly develop intuition as to the qualitative behavior of PDEs and skill in visualizing the geometric objects defined by them.



Students will also develop skill in writing simple computer programs and valuable experience applying the calculus, linear algebra, and differential equations they know already. Though not absolutely necessary, Calculus IV and Linear Algebra are strongly recommended as prerequisites.

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*Date:* 23 Oct 2006.