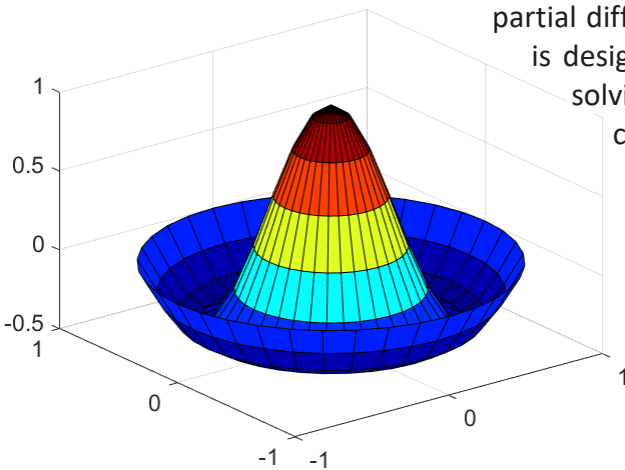
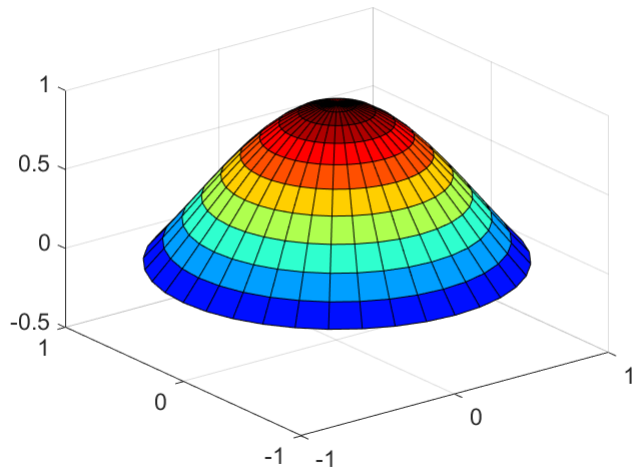


MTH 3220 HONORS PARTIAL DIFFERENTIAL EQUATIONS

Dear Student,

This information is right for you if you are going to take our **MTH 3210 Intro to PDE & Applications** course and think about making this experience more rewarding and particularly useful in your future study and career. We would like to invite you to register/switch to **MTH 3220 Honors PDEs**. The honors version of the PDE course is supplied with the same level of theory as MTH 3210, but it goes far beyond solving



partial differential equations just analytically. MTH 3220 is designed to provide more hands-on and problem-solving experiences while you learn about the concepts; e.g., how to visualize the solutions for PDEs and assess their properties from available images, how to obtain solutions without solving PDEs by using numerical approaches and existing computational tools, what to do if it appears that analytical solutions cannot be obtained, etc. Minimal computational skills are required as all coding templates will be

provided (e.g., in MATLAB). This course is a **perfect match** for those who consider exploring research opportunities, either at undergraduate or graduate levels, involving the use and analysis of solutions for ODEs and PDEs with various applications. MTH 3220 could be also taken **instead of the regular PDE class** (with the prerequisite of having **at least B for Calculus 3 & DiffEq** in **either** honors or regular sections). In terms of grading, the Honors version also shifts more weight (up to 40%, in comparison with regular PDE sections) to the **course project** and **take-home computational labs**. Please feel free to reach out to the course instructor, Dr. Bukshynov (vbukshynov@fit.edu), if you have any questions or have trouble with registration.

