

MAT 270 Mathematical Methods for the Physical Sciences

formerly known as

Topics in Mathematics with Applications in Chemistry

Lia Vas, Ph.D.

lvas@sju.edu

liavas.net

A Group?

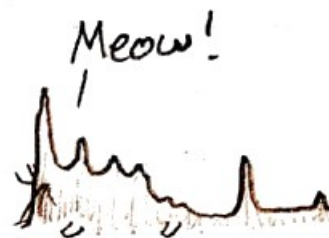


Singularity?



Fourier Transform?

Yeah, uh... I accidentally took
the Fourier transform of my cat...



Topics:

- Line and surface integrals, flux, Stokes' and Divergence Theorems
- Complex functions and complex integrals
- Fourier Series Fourier Transform
- Series solutions of ordinary differential equations
- Groups, Symmetry Groups of Molecules

Prerequisites: Calculus 3 or permission of the instructor.

Mathematics Minors: This course can be use as a minor elective.

Times in Spring 2023: Tue and Th 3:30-4:45 in STC 137.