PY/MA 370 Mathematical Methods for the Physical Sciences I

formerly known as

Topics in Mathematics with Applications in Chemistry

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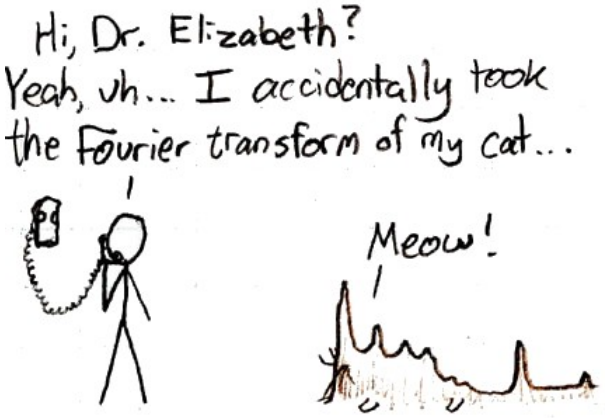
A Group?

Singularity?

Fourier Transform?



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: Physics II PY 212 and Calculus 3 MA 222 (or Mathematical Analysis IV MA 202).

Mathematics Minors: MA 370 can be use as a minor elective.