FOURIER ANALYSIS & METHODS GOALS FOR 2020.01.31

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1. Learning objectives

Our goals for today are that:
(1) You will be able to compute Fourier sine, cosine, and complex exponential series of any function on any bounded interval.
(2) You will be able to use the techniques amassed thus far (separation of variables, superposition, Fourier series) to solve PDEs on bounded intervals.

Ready, set, let's go!