

FOURIER ANALYSIS & METHODS GOALS FOR 2020.02.10

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1. LEARNING OBJECTIVES

Our goals for today are that:

- (1) You will understand the proof of the cute theorem on SLPs. (Eventual goal is to be able to prove it yourself, but one step at a time!)
- (2) You will be able to solve *inhomogeneous* PDEs as long as the inhomogeneity is time independent.
- (3) You will be able to solve PDEs which have a time independent inhomogeneity in their boundary conditions.

Ready, set, let's go!