



# Differential Equations and Applied Math Seminar

Dr. Ray Treinen, Texas State

12-1pm November 19th, 2021

Zoom and 330 DH

**Title:** Some comments on spectral methods for boundary value problems

**Abstract:** We will discuss the works of Aurentz & Trefethen and Driscoll & Hale on block operators and spectral discretizations and rectangular spectral collocation, respectively. This approach to solving boundary value problems is much simplified and also extends to other types of “side” conditions. The ideas we will discuss were implemented into the Chebfun package.

Interested faculty, graduate and undergraduate students are encouraged to attend.