

**ECEn 563**  
**Computational Electromagnetics**

Homework #12

Due Oct. 30, 2017 at the beginning of class (may be turned in after class for half credit)

1. Ponder the concept of a vector space or linear space. Mentally separate the common example of a 3D vector from the abstract definition of linear space. Think about the similarities and differences between finite dimensional vector spaces and function spaces. Then, think about linear operators and decompositions and all that. No turn-in necessary - discussion only.
2. 6.3 (Jacobi, Gauss-Seidel)