

UT-Dallas
EE 6328 — Nonlinear Optics
Spring 2001 — Prof. Cantrell
Assignment 3 (due April 5, 2001)

Reading:

1. Govind Agrawal, *Nonlinear Fiber Optics*, Chapters 4, 7, 8 and 9.
2. Professor Cantrell's [notes on self-phase and cross-phase modulation](#)
3. Professor Cantrell's [notes on stimulated Brillouin scattering](#)
4. Professor Cantrell's [notes on stimulated Raman scattering](#) (revised and enlarged)

Graded Exercises:

1. Please hand in a one-page outline of your project.
2. Agrawal, *Nonlinear Fiber Optics*, Problem 3.1.
3. Agrawal, *Nonlinear Fiber Optics*, Problem 3.7.
4. Agrawal, *Nonlinear Fiber Optics*, Problem 3.8.