

MATHEMATICS DEPARTMENT
North Carolina State University

DIFFERENTIAL EQUATIONS SEMINAR

Wednesday, March 2, 2005
2:35 p.m. 330 Harrelson Hall

Stanislav Molchanov

Department of Mathematics
UNC, Charlotte

Slowing down of the light

Slowing down of the light is one of the fundamental problems in the applied optics. Mathematically it is equivalent to the analysis of the dispersion relations, group velocities, scattering etc. for the 1D (quasi 1D) periodic structures and the design of such structures with the desirable properties. The talk will give the introduction to the area and the review of the recent results for the particular models (CROW, quantum graphs etc.). All the necessary concepts will be introduced.

Graduate students are invited to attend.

For questions, comments, and offers to talk, contact Kris Jenssen, hkjensse@math.ncsu.edu.
Please visit the DE Seminar web page at www.math.ncsu.edu/seminars.html.