PHY 711 Classical Mechanics and Mathematical Methods 10-10:50 AM MWF Olin 103

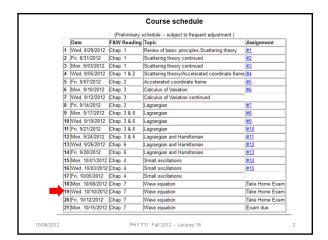
Plan for Lecture 19:

Continue reading Chapter 7

- 1. Wave equation
- 2. Sturm-Liouville equations
- 3. Green's function methods

10/08/2012

PHY 711 Fall 2012 -- Lecture 18





	WFU Joint Physics and Chemistry Colloquium
Undergraduate •	
Graduate +	TITLE: Electronic and Optical Processes in Organic Electronic
People •	Devices: The Case of Charge Transport
Research +	SPEAKER: Professor Jean-Luc Brédas,
Facilities •	Center for Organic Photonics and Electronics and School of
Education •	Chemistry and Biochemistry,
News & Events •	Georgia Institute of Technolgy, Atlanta, GA
Resources •	TIME: Wednesday October 10, 2012 at 2:15 **
Wake Favest Physics	PLACE: Room 101 Olin Physical Laboratory ** Note early starting time
Nationally recognized for teaching excellence, internationally respected for research advances; a focused emphasis on overdisciplinary study and	
internationally respected for research advances; a focused emphasis on interdisciplinary study and	Refreshments will be served at 3:15 PM in the Olin Lounge following the colloquium. All interested persons are cordially invited to attend.
internationally respected for research advances: a focused emphasis on	

The wave equation and its solutions

$$\frac{\partial^2 \mu}{\partial t^2} - c^2 \frac{\partial^2 \mu}{\partial x^2} = 0$$

Change partitial differential equation to ordinary differential equation :

$$\mu(x,t) = e^{-i\omega t} \rho(x)$$

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