

Physics 391
Lesson 27 Preflight

1. What is Fourier's Theorem?
2. Describe in words, not mathematics, what A_m and B_m are in equation 7.42 on p. 304?
3. What are spatial frequencies?
4. How is the spatial period different than the wavelength?
5. What is the coherence length of a wave and how is it related to the bandwidth?