READING ASSIGNMENT

DUE: Monday, October 16, 11 am
REVIEW: Townsend §6.9

Hand your answers back to me either via email (bvollmay@bucknell.edu) or as hardcopy.

1. The particle in a box, or infinite square well, has discrete energy eigenstates (see, for example, equation (6.111)). What is the cause of the discretization? That is, at which step in the derivation of these energy eigenvalues did it become necessary to have discrete values, and why?

2. What physical condition determines the amplitudes $A_n$ and $B_n$ in equations (6.107a) and (6.107b)?

3. With what of this reading did you have most difficulty and/or what was most interesting? Any open questions?