AME 480/580 – HW 4

1) Show how to go from Eq. 5.7 in textbook to Eq. 5.8

2) Show for infinite medium multiplying systems that if k\_infinity = 1, system is critical (so just look at neutron population evolution eqn and tell me conceptually why that is true)

3) Calculate lambda for U-235. Use data from table 5.1 in text book.

4) Read and summarize Sec. 5.5 from textbook.

Other problems from textbook

5.3

5.6

5.10

5.13