

Update: Reading Assignment #4

(due: Friday, August 31, 8 am)

(Please textfiles)

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Read: 5.1 – 5.3

1. As a physicist you can basically not escape harmonic oscillators. It is discussed in almost every class. Why are they so important? What would you give as motivation in a talk about harmonic oscillators? Find examples for the harmonic oscillator by checking previous classes, research you have done, and by searching journals, books, and on the internet. (As answer to this question, list the examples you find as keywords and include those keywords in your email for this reading assignment. I will write a list of all your examples and you will explain your example(s) with words shortly in class.)
2. Start working on problem 4. of HW#2 (Taylor 5.19). Notice the hint on the HW#2 sheet. (No hand-in in required, so I want as answer to this question “yes, started.”)
3. **Comments:** What of this reading did you find most difficult and what did you find most interesting? Is there a specific topic you would like to focus on, on Friday in class?