

## Reading Assignment #20

(due: Wednesday, October 17, 8 am)

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**Read:** Taylor §8.1 – §8.4

1. Give Examples for central forces.
2. Show that Eq.(8.9) follows from Eq.s(8.4) & (8.7).
3. The central-force problem starts with six variables  $x_1, y_1, z_1, x_2, y_2, z_2$ . To how many variables can the central-force problem be reduced?
4. **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 Wednesday in class? Do you have any other comments or wishes?

Have a nice break!