

QFT Homework 8 Due 6 Nov 2012

This homework is due in the dropbox outside 2L26 by 11:59PM on the due date. If you wish to turn it in ahead of time, you may email a PDF (prepared with LaTeX) to Dr. Frey.

Reading: Srednicki chapters 14 & 16-20. (You'll re-read some of this next week.) Please find supplemental reading as you need it.

To Be Marked: In both questions, make sure you work in d dimensions.

1. **Propagator Correction in ϕ^4** *Srednicki 14.5*
2. **Vertex Correction in ϕ^4** *Srednicki 16.1*