

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Department of Physics

Physics 221A

Quantum Field Theory

Fall 2007

Prof: Joe Polchinski

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Office hours: Kohn 2319, Th 3:30-4:30 (or email/see me after class to set up a time)

TA: Jorge Rocha

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Course web page: <http://www.kitp.ucsb.edu/~joep/Web221A/221A.html>

ASSIGNMENT #5

Due: Friday, Nov. 2, 5pm in TA's mailbox (5th floor Broida). See course web page for late homework policy.

1. Srednicki 11.1. Note that in part (a) Mark has not normalized the coupling in the 'natural' way.
2. Srednicki 11.2
3. Srednicki 11.3
4. Srednicki 11.4
5. Srednicki 12.2. (Some numbers that are useful to remember).