

Introduction to quantum electrodynamics
135.045 - (VO 2,0) 2014S

Homework #6 (Apr 07, 2014; due Apr 28, 2013)

6.1 Show Eq. (3.37).

6.2 Show Eq. (3.39).

6.3 Show

$$\frac{1}{2}\sigma^{\mu\nu}F_{\mu\nu} = i\vec{\alpha} \cdot \vec{E} - \vec{\Sigma} \cdot \vec{B}.$$