

Week 4 (due Feb. 5)

In the last three problems it is better to use the FeynCalc.m package for Mathematica than to do gamma-matrix traces by hand. See <http://www.feyncalc.org/> for detailed info on this package.

1. Problem 40.1.
2. Problem 45.2
3. Problem 48.2
4. Problem 48.4 (abc). (30pts)