

Quantum Field Theory
Fall 2015 Seminar Notes

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Chapter 1

Review

1.1 Field Theory

Chapter 2

Free Field Theory

2.1 Lorentz Invariance

2.2 Canonical Quantization

2.3 Path Integral

Chapter 3

Interacting Field Theory

Chapter 4

Feynman Rules

Chapter 5

Renormalization Theory

5.1 Renormalization Group

5.2 Effective Field Theories