

1. Energy-Momentum Tensor, Noether's Theorem

Problem 2.1, Peskin and Schroeder

2. Quantization of Complex Scalar Fields

Problem 2.2, Peskin and Schroeder

3. The Gordon Identity

Problem 3.2, Peskin and Schroeder

4. The CPT Theorem

Problem 3.7, Peskin and Schroeder