QFT II (summer 2014)

Dirk Kreimer

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- Mo, 14/04 Overview
- Wed, 16/04 Powercounting and self-similarity
- Wed, 23/04 Parametric Representations
- Mo, 28/04 Examples: Parametric Representations
- Wed, 30/04 Exercises I
- Mo, 05/05 Lagrangian Renormalization
- Wed 07/05 Locality
- Mo 12/05 Two-loop Example
- Wed 14/05 Exercises II
- Mo 19/05 Mathematical Structure of Renormalization I
- Wed 21/05 Mathematical Structure of Renormalization II
- Mo 26/05 The renormalization group
- Wed 28/05 Non-perturbative aspects
- Mo 02/06 Classical gauge theories
- Wed 04/06 QED revisited
- Wed 11/06 Exercises III
- Mo 16/06 Non-perturbative aspects of QED
- Wed 18/06 Exercises IV
- Mo 23/06 Non-abelian gauge theory
- Wed 25/06 Quantization of non-abelian gaiuge theory
- Mo 30/06 Cutkosky rules
- Wed 02/07 Exercises V
- Mo 07/07 BRST
- Wed 09/07 Slavnov–Taylor Identities
- Mo 14/07 Outlook
- Wed 16/07 Orals