References

Updated: April 2017

• Books on Gauge-String Duality
  There exists a slightly older on-line version:

• Reviews directly relevant for this course

• Reviews of Gauge-String Duality and Applications


• Duality in Lattice Statistical Mechanics


• Duality in QFT


Y. Frishman and J. Sonnenschein, ”Non-Perturbative Field Theory: From Two Dimensional Conformal Field Theory To QCD In Four Dimensions”, Cambridge U. Press, 2010.

• Large N expansion


• Black hole thermodynamics, Bekenstein-Hawking entropy and microstates counting


• Black branes
• The original AdS/CFT papers

• Original papers relevant for the course

• Books on string theory

• Online lecture courses
  J. McGreevy, MIT lectures, TASI lectures and other recordings online.
  S. Hartnoll, Nordita lectures and other recordings online.
  H. Liu, MIT lectures online.