Topics in Gauge-Gravity duality
Graduate Lecture Course
University of Oxford
Trinity Term 2012
Room 501, DWB, Department of Physics
Mondays, 14:00-16:00

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References

Books on string theory:


Main reviews relevant for this course:

The original AdS/CFT papers:


Reviews on Gauge-Gravity Duality:


Comment: modern view, deep and insightful, not an easy read


Comment: two highly readable and short introductions to AdS/CFT correspondence from one of its authors.


Comment: Section 6 discusses thermal physics and holography, including the critique of the viscosity-entropy bound conjecture.


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Comment: a positive feature of this text (perhaps the only positive feature) is that it is very short.

Duality in QFT and Statistical Mechanics:


Large $N$ expansion:
