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Geometric aspects of the AdS/CFT correspondence. (English) [Zbl 1071.81553](#)

Biquard, Olivier (ed.), AdS/CFT correspondece: Einstein metrics and their conformal boundaries. 73rd meeting of the theoretical physicists and mathematicians, Strasbourg, France, September 11–13, 2003. Zürich: European Mathematical Society (EMS) (ISBN 0-03719-013-2/pbk). IRMA Lectures in Mathematics and Theoretical Physics 8, 1-31 (2005).

Summary: We discuss classical gravitational aspects of the AdS/CFT correspondence, with the aim of obtaining a rigorous (mathematical) understanding of the semi-classical limit of the gravitational partition function. The paper surveys recent progress in the area, together with a selection of new results and open problems.

For the entire collection see [\[Zbl 1062.81002\]](#).

MSC:

81T20 Quantum field theory on curved space or space-time backgrounds

81T40 Two-dimensional field theories, conformal field theories, etc. in quantum mechanics

81-02 Research exposition (monographs, survey articles) pertaining to quantum theory

Cited in **1** Review
Cited in **25** Documents

Full Text: [arXiv](#)