



Prof. Bent Ørsted

Rigidity of conformal functionals on spheres

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The regularized zeta function determinant of an elliptic operator on a compact manifold is an interesting spectral invariant, which has been studied in connection with both conformal geometry and string theory. In this lecture we consider this and other functionals as functions on the space of all smooth metrics and give some results on the nature of critical points for the case of the standard sphere. This is joint work with Niels Martin Møller.

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