

Holography and Pseudospectra

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Quasinormal modes play a major role in the applications of gauge/gravity duality. They arise as eigenvalues of non-normal differential operators. It turns out that they are affected by spectral instability: small perturbations can change the eigenvalues by large amounts. Pseudospectra give a quantitative measure of the spectral (in)stability of eigenvalues. I will review the theory of pseudospectra and their applications in the gauge/gravity duality.

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