

Equivariant localization for AdS/CFT

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Equivariant localization may be applied to AdS/CFT to compute various BPS observables in gravity without solving the supergravity equations. The key ingredient is that supersymmetric solutions with an R-symmetry are equipped with a set of equivariantly closed forms. These may in turn be used to impose flux quantization and compute observables for supergravity solutions, using only topological information and the fixed point formula.

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