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Towards a general formulation of the AdS/Ricci-flat correspondence

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The AdS/Ricci-flat correspondence connects families of asymptotically AdS spacetimes to Ricci-flat spacetimes, and can be used to transfer tools and results between them. In its original formulation, this map requires a high degree of symmetry, limiting its possible applications. I will show how to extend the correspondence to a larger class of spacetimes, that includes for example general perturbations of Minkowski spacetime and of the Schwarzschild black hole.

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