

## Conical degeneration of geometric invariants

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Conical singularities occur quite often and naturally. By conical degeneration we mean a family of smooth metrics limiting to a singular metric of conical type. Under rather general conditions, the eigenvalues and eigenfunctions, and heat kernels will converge. It is rather different for the global geometric invariants such as eta invariant and analytic torsion. We will discuss some recent work in this direction.

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