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Anda Degeratu. *Elliptic operators on quasi-asymptotically conic spaces*. Preliminary report.

The quasi-asymptotically Euclidean (QALE) spaces described by Joyce are of interest partly because they carry complete Ricci flat metrics. The class of quasi-asymptotically conic (QAC) spaces is a natural generalization, and it is of interest to understand various aspects of elliptic theory on these, including Hodge, index and scattering theory. This is a report on the first steps in this program. Joint work with Anda Degeratu. (Received February 26, 2007)