

Transverse Dolbeault Cohomology

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Analysis & Geometry Seminar, Antwerpen

I shall define a transverse Dolbeault cohomology associated to any almost complex structure j on a smooth manifold M . This is done by extending the notion of transverse complex structure and by introducing a natural j -stable involutive limit distribution with such a transverse complex structure. This is joint work with M. Cahen and S. Gutt.