18.155 LECTURE 17, 2015

RICHARD MELROSE

Read notes for L16!

- Density bundle defined. Ideals, T^*U $\Lambda^k U$, ΩU.
- Coordinate-invariance of $L^1_{\mathrm{loc}}(U)$.
- Coordinate-inavariance of $L^2_{\mathrm{loc}}(U)$.
- Coordinate-invariance of $H^s_{\mathrm{loc}}(U)$.
- Manifolds
- Vector bundles
- Differential operators with smooth coefficients, principal symbol
- Ellipticity and elliptic regularity stated.
- The proof I will give.

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