18.155 LECTURE 20 21 NOVEMBER, 2017

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- (1) The final part of elliptic regularity:- Boundedness of pseudodifferential operators. I will go through this it is earlier in the notes, by expansion as a function of the coefficients in Hermite series.
- (2) Borel's Lemma I mentioned this earlier in the semester, that the derivatives of a smooth function of one variable at a point are unconstrained.
- (3) Extending Borel to higher dimensions uniformity
- (4) Asymptotic summability of series of symbols a variant of Borel's Lemma
- (5) The equivalence of right, left and 'Weyl' quantization for symbols.
- (6) Other properties of pseudodifferential operators including coordinate invariance.

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