

**ALGEBRA AND DIFFERENTIAL  
GEOMETRY/PDE SEMINAR**

WEDNESDAY, OCTOBER 5, 2005

PADEL FORD C-36

3:50-5PM

Algebraic methods in the theory of finite type domains

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Local boundary regularity for the  $\bar{\partial}$ -Neumann problem on real-analytic weakly pseudoconvex domains of finite type was established by Kohn using subelliptic multiplier ideals. In this talk, we will show how algebraic geometric methods can be used to gain a better (effective) understanding of the notion of finite type itself and of local boundary regularity.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, [www.math.washington.edu](http://www.math.washington.edu), follow the link **Seminars, Colloquia, and Conferences**).

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