

MATHEMATICS DEPARTMENT  
North Carolina State University

**DIFFERENTIAL EQUATIONS SEMINAR**

Monday, January 27, 2003  
2:35 p.m. 335 Harrelson Hall

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New York University

**“An upper bound on the rate of coarsening in  
epitaxial growth”**

Late-time coarsening has been observed in epitaxial growth models. Results from experiments and numerics on isotropic epitaxial growth models suggest that the characteristic length scale  $L(t)$  grows as  $t^{\frac{1}{3}}$  at late times. We prove a weak one-sided version of this statement. Our analysis follows a strategy introduced by Kohn and Otto in their study of phase transition.

Graduate students are invited to attend.

Dr. Yan is a candidate for a faculty position  
in partial differential equations.

Tea will be served in HA 243 at 3:30 p.m.