

# Friends of the School of Mathematics

## April 20, 2012

**Georgia  
Tech**



# Technology and Education



Overview (Doug Ulmer)



Clickers (Doron Lubinsky)



On-line homework and discussion (Klara Grodzinsky)



Video Calculus (Tom Morley)

# Our teaching in Numbers

Last year we taught 44,944 student credit hours to 7109 distinct undergrads.

That's about 1/2 of all undergrads and 10% of the total credits on campus.

The big courses are Calc I, II, III, Discrete Math, and Differential Equations.

Lectures have about 70-250 students.

Discussion sections are ~35 students.

# Delivery



Mostly we used tried and true technology ...  
blackboards and chalk, lectures and  
recitations ... but we are starting to  
experiment with new tools and ideas.

# Three new tools and programs

Personal response systems  
("Clickers")

On-line homework and  
discussion

Distance Calculus

