CCSU

DEPARTMENT OF MATHEMATICAL SCIENCES
MATH CLUB AT CCSU

COLLOQUIUM

Tuesday, October 14
12:30 – 1:30 PM
Maria Sanford, Room 101

SURFACES WITH DENSITY AND THE POINCARE CONJECTURE

FRANK MORGAN

WILLIAMS COLLEGE

ABSTRACT

Calculus teachers and physicists have long studied surfaces with density (which you integrate to get mass). There has been a recent surge of interest in the geometry of such surfaces, ranging from probability to Perelman's recent proof of the Poincaré Conjecture to recent advances by undergraduates.

Short Bio: Frank Morgan studies optimal shapes and minimal surfaces. He has published over 100 articles and six books, including "Calculus Lite" and "The Math Chat Book," based on his live, call-in TV show and column. He is founder of the NSF "SMALL" Undergraduate Research Project, inaugural winner of the Haimo national teaching award of the Mathematical Association of America. Dr. Morgan is Atwell Professor of Mathematics at Williams College.

For further information:
gotchevi@ccsu.edu 860-832-2839
http://www.math.ccsu.edu/gotchev/colloquium/