CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, October 21
2:00 – 3:00 PM
Maria Sanford, Room 101

QUASI-FUCHSIAN 3-MANIFOLDS THAT CONTAIN ARBITRARILY MANY INCOMPRESSIBLE MINIMAL SURFACES

BIAO WANG

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract: Roughly speaking, a quasi-Fuchsian group is a torsion-free Kleinian group whose limit set is a Jordan curve. A quasi-Fuchsian 3-manifold is a complete hyperbolic 3-manifold whose fundamental group is a quasi-Fuchsian group. In this talk, I try to construct quasi-Fuchsian 3-manifolds that contain at least 2^N incompressible minimal surfaces, where N is an arbitrarily positive integer.

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