



Department of Mathematics and Statistics

COLLOQUIUM

Tuesday, September 16th, 2014

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 164
(refreshments at 3:45)

Dr. Sudipta Mallik
Northern Arizona University

Let's prove the four color theorem in one line !!!

Abstract: I am going to talk about Colin de Verdier number of a graph and then introduce the Colin de Verdier conjecture. If the conjecture is true, then we can prove the four color theorem in one line. The Colin de Verdier conjecture gives rise to another conjecture regarding an upper bound of the sum of the chromatic number and the minimum rank of a graph. If any counter example of this conjecture or the Colin de Verdier conjecture is found, then the Hadwiger conjecture (1943) would be false! If I have time, I will present some results on combinatorial matrix theory motivated by the Colin de Verdier number.

ACGT Seminar: Tuesday September 16th, 12:45 – 1:45 pm, AMB 164. Speaker: series continues.

Applied Math Seminar (AMS): Thursday, September 18th, 12:45 – 1:45 pm, AMB 164. Speaker: Gary Bowman, Dept .of Phys. and Astronomy.

Friday Afternoon Undergraduate Mathematics Seminar (FAMUS) meets Friday at 3pm.