COLORING, SPARSENESS AND GIRTH

Online seminar
Speaker: Prof. Xuding Zhu
Zhejiang Normal University

Time: Thur, Apr. 9th, 15:00-16:30
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Abstract: A classical result of Erdos says that there are graphs of arbitrary large girth and arbitrary large chromatic number. The original proof uses probabilistic method. This talk introduces a concept - augmented rooted tree, which can be used to construct such graphs easily. The concept is also used to prove sparse bipartite graphs of large girth with large choice number, as well as graphs of large girth with other interesting properties.

This is a joint work with Alon, Kostochka, Reiniger and West.