

Geometry Seminar
Tuesday, November 22, 2011
Room 512 WWH at 6:00 P.M.

Some extensions of Szemerédi's theorem

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Szemerédi's celebrated theorem on arithmetic progressions states that every dense set of integers contains arbitrarily long arithmetic progressions. Using ergodic techniques, Furstenberg and Weiss (2003) established several generalizations of this result to trees. We show that there is royal road to stronger quantitative versions of this result. Joint work with J. Solymosi and G. Tardos.

For more information please visit the seminar website at:
http://www.math.nyu.edu/seminars/geometry_seminar.html.