

1112-60-518

Prasad Tetali* (tetali@math.gatech.edu), 686 Cherry Street, Atlanta, GA 30030. *Some open problems inspired by discrete curvature.*

Inspired by a fruitful development and recent mature understanding of the notion of lower-boundedness of Ricci curvature in continuous settings, several independent groups of researchers have introduced intriguing analogs of such a (Ricci) curvature in discrete settings. The approaches vary based on whether the perspective is probabilistic, analytical or combinatorial. In this talk, I will mention at least two such approaches and state some open problems. This is based on my recent joint works with Erbar-Maas, and Klartag-Kozma-Ralli. (Received August 10, 2015)