

Sampling in Geometric Set Systems

Homework 2

Given n lines in the plane, prove that there are $O(r + r^2(k + 1)/n)$ triangles such that any of them intersects at most n/r lines in its interior, and their union covers all the points that have at most k lines below them.

<http://web.cs.elte.hu/coge/samplingminicourse19.html>