# Improved Bounds for the Union of Fat Triangles. 

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We show that, for any fixed $\delta>0$, the combinatorial complexity of the union of $n$ triangles in the plane, each of whose angles is at least $\delta$, is $O\left(n 2^{\alpha(n)} \log ^{*} n\right)$, with constant of proportionality depending on $\delta$. This considerably improves the twenty-year-old bound $O(n \log \log n)$, due to Matousek etal.

Joint work with Boris Aronov and Micha Sharir.

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

