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An Improved Bound on the Number of Unit Area Triangles
We show that the number of unit-area triangles determined by a set of $n$ points in the plane is $\mathrm{O}\left(\mathrm{n}^{9 / 4+\varepsilon}\right)$, for any $\varepsilon>0$, improving the recent bound $\mathrm{O}\left(\mathrm{n}^{44 / 19}\right)$ of Dumitrescu et al.

