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## 

Combinatorics
On the
Erdos
distinct
distance
problem
in the
plane

# Larry Guth, Nets Hawk Katz 

(Submitted on 17 Nov 2010)

In this
paper,
we prove
that a
set of
\$N $\$$
points in
$\$\{\backslash b f$ R
${ }^{\wedge} 2 \$$ has
at least
\$c\{ N

