

# MANY COLLINEAR $k$ -TUPLES WITH NO $k + 1$ COLLINEAR POINTS

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Paul Erdos asked the following question in the 60's: How many collinear  $k$ -tuples can a planar  $n$ -point set contain, if it contains no  $k + 1$  points on a line (where  $k > 3$  is fixed)? We will present an elementary construction that significantly improves the previously known lower bound for this value.