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*A survey of the Kakeya problem*

A Kakeya set is a compact subset of $\mathbb{R}^n$ that contains a unit line segment pointing in every direction. The Kakeya conjecture asserts that every Kakeya set in $\mathbb{R}^n$ must have Minkowski and Hausdorff dimension $n$. I will survey historical and more recent results on this conjecture.