On the fattening of lines in $\mathbb{P}^3$.

In 2011, Bocci and Chiantini provided a characterization of configurations $Z$ of points in $\mathbb{P}^2$ based on minimal growth of a simple invariant, $\alpha$, as the points fattened from the reduced subscheme $Z$ to the double scheme, $2Z$. We follow their lead and provide a similar characterization of certain subsets of lines in $\mathbb{P}^3$. (Received February 09, 2014)