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Mike Janssen* (mkjanssen@gmail.com). *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, α , 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)