

# LINEAR TIME SPARSIFICATION

Graphs with bounded treewidth and bounded degree

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by

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Abstract. We show that for graphs with bounded treewidth and bounded degree, the

linear time sparsification algorithm of [1] can be implemented in linear time.

Keywords. Linear time sparsification, bounded treewidth, bounded degree

1. Introduction. The linear time sparsification algorithm of [1] is a powerful tool for

designing algorithms for graphs with bounded treewidth and bounded degree.

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