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# The Detection of Significant Points and Simplification of Digitized Curves

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## Abstract

Extracting significant points from a digitized curve is a basic principle behind the simplification of a line within the fields of computer vision, cartography and related areas. A new method to identify significant points is discussed in this paper. This method yields fewer significant points than the conventional methods, yet the set of significant points derived is sufficient to preserve the shape of the curves being simplified.

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