Package ‘RDP’

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Title The Ramer-Douglas-Peucker Algorithm
Version 0.2.0
Description Pretty fast implementation of the Ramer-Douglas-Peucker algorithm for reducing the number of points on a 2D curve.
License GPL-3
URL https://github.com/robertdj/RDP
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NeedsCompilation yes
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Description
Implementation of the Ramer-Douglas-Peucker algorithm.

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References

See Also
Useful links:
- https://github.com/robertdj/RDP

Description
The Ramer-Douglas-Peucker algorithm for reducing the number of points on a curve.

Usage
RamerDouglasPeucker(x, y, epsilon)

Arguments
x The x values of the curve as a vector.
y The y values of the curve as a vector.
epsilon The threshold for filtering outliers from the simplified curve.

Details
If there are no more than two points it does not make sense to simplify. In this case the input is returned without further checks of x and y.
Value

A `data.frame` with x and y values of the simplified curve.

Examples

```r
RDP::RamerDouglasPeucker(x = c(0, 1, 3, 5), y = c(2, 1, 0, 1), epsilon = 0.5)
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