



Why

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Definition

The *closed line segment between* two points in n -dimensional space is the set of points which can be expressed as the sum of the first point and a scalar multiple of the difference between the second point and the first; where the scalar is in the interval $[0, 1]$. Thus, the closed line segment between two points is a subset of the line through the two points. The *open line segment* between x and y is the closed line segment with the points x and y .

¹Future editions will include.

