



## Why

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## Definition

The *dimension* of a nonempty affine set is the dimension of the subspace parallel to it. The *dimension* of the empty set (viewed as an affine set) is the -1. Naturally, the *points*, *lines* and *planes* are affine sets of dimension 0, 1, and 2 respectively.

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<sup>1</sup>Future editions will include.



