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American **British**

hyperplane

[**hahy**-per-pleyn, hahy-per-**pleyn**] Phonetic (Standard) IPA

noun
Mathematics.

1 a subspace of a vector space that has dimension one less than the dimension of the vector space.

Word of the Day

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First recorded in 1900–05; hyper- + plane [1]

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Example Sentences

Examples have not been reviewed.

> Mathematically, this piece of paper is called a hyperplane.

From Science Daily

> Many safety check algorithms work by generating this hyperplane at a single point in time.

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> However, each time the robot moves, a new hyperplane needs to be recomputed to perform the safety check.

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> Instead, this new technique generates a hyperplane function that moves with the robot, so it can prove that an entire trajectory is collision-free rather than working one hyperplane at a time.

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> This function is an equation that describes where the hyperplane needs to be at each point in the planned trajectory so it remains collision-free.

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[awr-muh-loo]
Meaning and examples

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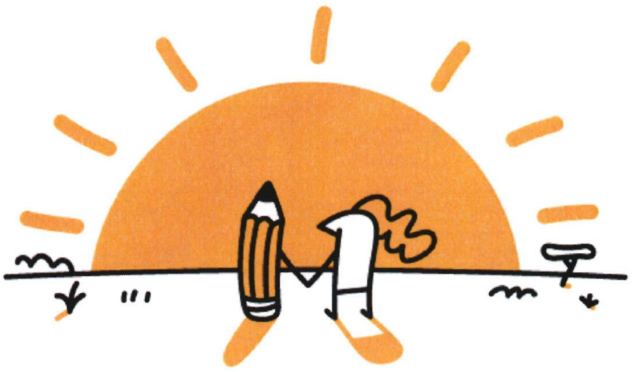
Quiz



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tenacious.

adaptable.

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hyperplasia

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