Why

Definition

An *affine transformation* is one which maps an affine combination of two vectors to the affine combination of their results under the same transformation.

Affine Transformations

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Transformations

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Vectors

Fields   N-Dimensional Space

Groups   Real Numbers   Space

Algebras   Rational Numbers

Operations   Integer Numbers

Functions

Relations   Zero

Ordered Pairs   Natural Numbers   Equation Solutions

Unordered Pairs   Set Unions   Set Intersections

Empty Set   Set Specification   Equations

Set Inclusion

Set Equality   Sentences

Standardized Accounts   Sets   Identity

Accounts

Letters   Objects