Why

Definition

The *translate* of a subset of a vector space *by* a given vector is the set of all vectors which are the sum of a vector in the subset with the given vector.

Notation

Let $(V, \mathbf{F})$ be a vector space. Let $M \subset V$ and $a \in V$. The translate of M by a is the set

$$\{x + a \mid x \in M\},$$

which we denote by $M + a$.

Translate Sets

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

Set Specification

Equations

Set Inclusion

Empty Set

Set Equality

Standardized Accounts

Identity

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Objects