Why

TODO

Definition

The *sum* of two sets in a vector space is the set of points which can be expressed as the sum one vector from the first set and one vector from the second set.

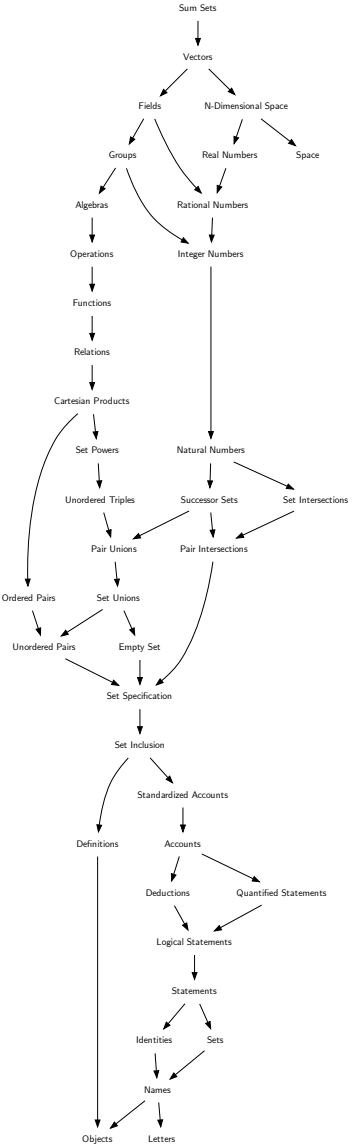
Sometimes called *Minkowski sum* (true?).

Notation

Let $(V, \mathbf{F})$ be a vector space and let $M_1, M_2 \subset V$. Then the sum of M_1 and M_2 is

$$\{x_1 + x_2 \mid x_1 \in M_1, x_2 \in M_2\},$$

which we denote by $M_1 + M_2$.


Sum Sets
Vectors
Fields
N-Dimensional Space
Groups
Real Numbers
Space
Algebras
Rational Numbers
Operations
Integer Numbers
Functions
Relations
Cartesian Products
Set Powers
Natural Numbers
Unordered Triples
Successor Sets
Set Intersections
Pair Unions
Pair Intersections
Ordered Pairs
Set Unions
Unordered Pairs
Empty Set
Set Specification
Set Inclusion
Standardized Accounts
Definitions
Accounts
Deductions
Quantified Statements
Logical Statements
Statements
Identities
Sets
Names
Objects
Letters