Why

TODO; arise often.

Definition

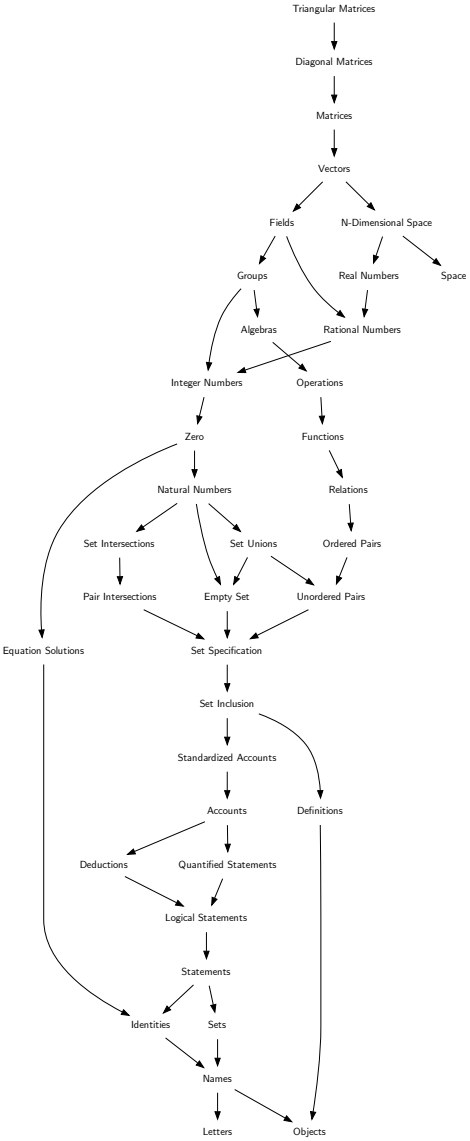
A matrix is *upper triangular* if all its entries below the diagonal are zero. A matrix is *lower triangular* if all its entries above the diagonal are zero. If, in addition, the diagonal is zero, then the matrix is *strictly upper triangular* and *strictle lower triangular* respectively.

A *triangular* matrix is either upper or lower triangular. A *strictly triangular* matrix is either strictly upper triangular or strictly lower triangular.

A *unit triangular matrix* is a triangular matrix (upper or lower) whose diagonal entries are one.

Other Terminology

Some authors call lower triangular matrices *right triangular* and upper triangular matrices *right triangular*.


Triangular Matrices
Diagonal Matrices
Matrices
Vectors
Fields
N-Dimensional Space
Groups
Real Numbers
Space
Algebras
Rational Numbers
Integer Numbers
Operations
Zero
Functions
Natural Numbers
Relations
Set Intersections
Set Unions
Ordered Pairs
Pair Intersections
Empty Set
Unordered Pairs
Equation Solutions
Set Specification
Set Inclusion
Standardized Accounts
Accounts
Definitions
Deductions
Quantified Statements
Logical Statements
Statements
Identities
Sets
Names
Letters
Objects