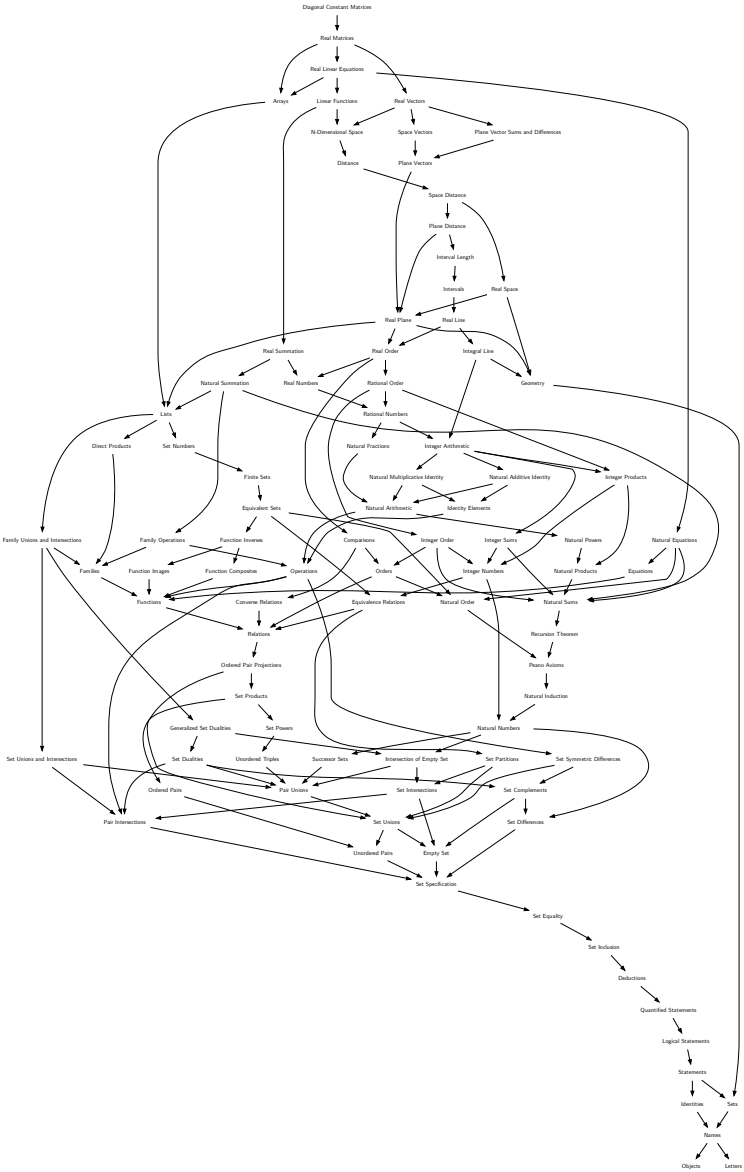
Definition

A *diagonally constant matrix* is a matrix A whose entries are constant on the diagonals.

Other terminology

Other terminology include *Toeplitz matrix*, *linear shift invariant matrix* or *LSI matrix*, *linear time invariant matrix* or *LTI matrix*, *filter matrix*, *convolution matrix*.


Diagonal Constant Matrices
Real Matrices
Real Linear Equations
Arrays
Linear Functions
Real Vectors
N-Dimensional Space
Space Vectors
Plane Vector Sums and Differences
Distance
Plane Vectors
Space Distance
Plane Distance
Interval Length
Intervals
Real Space
Real Plane
Real Line
Real Summation
Real Order
Integral Line
Natural Summation
Real Numbers
Rational Order
Geometry
Lists
Rational Numbers
Direct Products
Set Numbers
Natural Fractions
Integer Arithmetic
Finite Sets
Natural Multiplicative Identity
Natural Additive Identity
Integer Products
Equivalent Sets
Natural Arithmetic
Identity Elements
Family Unions and Intersections
Family Operations
Function Inverses
Comparisons
Integer Order
Integer Sums
Natural Powers
Natural Equations
Families
Function Images
Function Composites
Operations
Orders
Integer Numbers
Natural Products
Equations
Functions
Converse Relations
Equivalence Relations
Natural Order
Natural Sums
Relations
Recursion Theorem
Ordered Pair Projections
Peano Axioms
Set Products
Natural Induction
Generalized Set Dualities
Set Powers
Natural Numbers
Set Unions and Intersections
Set Dualities
Unordered Triples
Successor Sets
Intersection of Empty Set
Set Partitions
Set Symmetric Differences
Ordered Pairs
Pair Unions
Set Intersections
Set Complements
Pair Intersections
Set Unions
Set Differences
Unordered Pairs
Empty Set
Set Specification
Set Equality
Set Inclusion
Deductions
Quantified Statements
Logical Statements
Statements
Identities
Sets
Names
Objects
Letters