Definition

A *complex matrix* is a matrix over the field **C**.

Complex Matrices

Complex Arithmetic

Matrices

Complex Products

Real Matrices

Vectors

Linear Equations

Linear Functions

Real Vector

Arrays

N-Dimensional Space

Space Vector

Plane Vector Sums and Differences

Complex Sums

Distance

Plane Vectors

Complex Numbers

Absolute Value

Space Distance

Real Arithmetic

Plane Distance

Real Multiplicative Inverse

Interval Length

Real Products

Intervals

Real Space

Real Additive Inverse

Real Line

Rational Multiplicative Inverse

Rational Arithmetic

Real Sums

Real Order

Real Summation

Integral Line

Real Plane

Geometry

Rational Products

Fields

Rational Sums

Real Numbers

Rational Order

Natural Summation

Lists

Rings

Rational Numbers

Set Number

Direct Products

Integer Arithmetic

Natural Fractions

Integer Products

Natural Multiplicative Identity

Natural Additive Identity

Finite Sets

Identity Elements

Natural Arithmetic

Equivalence Sets

Inverse Elements

Natural Powers

Integer Sums

Natural Equations

Integer Order

Comparisons

Element Functions

Function Inverses

Family Operations

Family Unions and Intersections

Natural Products

Integer Numbers

Equations

Orders

Operations

Function Image

Function Composites

Families

Natural Sums

Natural Order

Converse Relations

Equivalence Relations

Functions

Recursion Theorem

Relations

Peano Axioms

Ordered Pair Projections

Natural Induction

Set Products

Natural Number

Set Powers

Generalized Set Dualities

Set Symmetric Differences

Successor Sets

Unordered Triples

Set Dualities

Intersection of Empty Set

Partitions

Set Unions and Intersections

Set Complements

Pair Unions

Set Intersections

Ordered Pairs

Set Differences

Set Unions

Pair Intersections

Empty Set

Unordered Pairs

Set Specification

Set Equality

Set Inclusion

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects

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