Why

In the current edition, this sheet is a filler, providing LaTeX macros.[1]

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[1]Future editions will likely remove, or modify this sheet.

Matrix Transpose

Matrices Vectors as Matrices

Real Matrices Real Inner Product

Linear Equations Vector Real Norm

Linear Functions Real Vectors

N-Dimensional Space Plane Vector Sums and Differences Space Vectors Plane Inner Product Plane Norm

Distance Plane Vectors Right Triangle Sides Relation

Space Distance Real Square Absolute Value

Square Numbers Real Arithmetic Plane Distance

Squares Real Multiplicative Inverse Interval Length

Real Space Real Products Intervals

Real Plane Real Additive Inverse Real Line

Real Summation Rational Arithmetic Real Sums Integral Line Real Order Rational Multiplicative Inverse

Fields Geometry Rational Sums Real Numbers Rational Products Rational Order

Rings Rational Numbers

Arrays Integer Arithmetic

Lists

Set Numbers Natural Multiplicative Identity Natural Additive Identity Integer Products

Direct Products Finite Sets Identity Elements Arithmetic

Equivalent Sets Natural Summation Natural Powers Inverse Elements

Family Unions and Intersections Natural Equations Family Operations Natural Products Element Functions Function Inverses Integer Sums Integer Order Comparisons

Equations Families Operations Natural Sums Function Images Function Composites Integer Numbers Orders

Natural Order Functions Recursion Theorem Equivalence Relations Converse Relations

Peano Axioms Relations

Natural Induction Set Products

Generalized Set Dualities Natural Numbers Set Powers

Set Unions and Intersections Set Dualities Set Symmetric Difference Intersection of Empty Set Successor Sets Unordered Triples Partitions

Set Complements Pair Unions Set Intersections Ordered Pairs

Pair Intersections Set Differences Set Unions

Empty Set Unordered Pairs

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Sets Identities

Names

Letters Objects