Why

[1]

Definition

A *real sequence* is a sequence in the real numbers, or a sequence of real numbers.

Notation

A sequence of real numbers is a function $a : \mathsf{N} \to \mathsf{R}$.

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[1]Future editons will develop this in the genetic fashion from approximation.

Real Sequences

Real Numbers

Rational Numbers

Integer Arithmetic

Natural Additive Identity

Natural Multiplicative Identity

Sequences

Set Numbers

Direct Products

Arithmetic

Identity Elements

Finite Sets

Integer Products

Natural Powers

Operations

Equivalent Sets

Family Unions and Intersections

Integer Sums

Natural Products

Function Inverses

Integer Numbers

Natural Sums

Function Composites

Function Images

Families

Recursion Theorem

Natural Order

Equivalence Relations

Functions

Peano Axioms

Relations

Natural Induction

Set Products

Natural Numbers

Set Powers

Generalized Set Dualities

Partitions

Successor Sets

Intersection of Empty Set

Unordered Triples

Set Dualities

Set Unions and Intersections

Set Intersections

Pair Unions

Ordered Pairs

Set Complements

Set Differences

Set Unions

Pair Intersections

Unordered Pairs

Empty Set

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects

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