

Notation Index

Introduction

$\{\dots\}$	set of elements 3
$\{\dots \dots\}$	set defined by property 3
\in	is an element of 3
\notin	is not an element of 3
\subseteq	is a subset of 3
$\not\subseteq$	is not a subset of 3
\subset	is a proper subset of 3
$\not\subset$	is not a proper subset of 3
\cup	union 3
\cap	intersection 3
$-$	difference 3
Δ	symmetric difference 3
$\max(A)$	maximum of A 3
$\min(A)$	minimum of A 3
\times	cartesian product 3
$\langle \dots \rangle$	tuple 3
A^k	k th power of A 3
$A^{<\omega}$	set of finite sequences from A 3
$\bar{x}^{[k]}$	k th coordinate of x 3
$S^{[k]}$	k th column of S 3
\emptyset	empty set 3
\mathbb{N}	set of natural numbers 3
\oplus	direct sum 3
$ A $	cardinality of A 3
\aleph_0, \aleph_1	cardinal numbers 3
2^{\aleph_0}	cardinality of continuum 3
$\varphi: A \rightarrow B$	function notation 3
\downarrow	converges 3
\uparrow	diverges 3
$x \mapsto \varphi(x)$	x is mapped to $\varphi(x)$ 3
$\text{dom}(\varphi)$	domain of φ 3
$\text{rng}(\varphi)$	range of φ 3
χ_S	characteristic function of S 3
\upharpoonright	restriction 3
\lim_s	limit 4
$\lim \sup_s$	limit supremum 4
$\lim \inf_s$	limit infimum 4
$\lambda x f(x, y)$	lambda notation 4
\subseteq	extension for functions 4
2^S	power set of S 4
$[\dots]$	interval notation 4
(\dots)	interval notation 4
$[\dots)$	interval notation 4