INDEX

Notation

12
574
2870
6561
32,805
+
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•
↑
+'
−'
↑'
\
ω
C
ℜ
∪.
≡
≈
∞
| |
$<_R$
$>_R$
$\leq_R$
$\geq_R$
$=_R$
$<_X$
$>_X$
$\leq_X$
$\geq_X$
$=_X$
<*
<#
<**
=**
≤#
=#
≡'
≤**
$<_s$**'
↑p(t)
Γ(ℜ)
⊆'
⊆*

$\subseteq^{**}$
$\uparrow k(x)$
σ_i, τ_i
$\varphi[i,r]$
$\#(t)$
$\beta(r)$
$\tau(g,r)$
$\Pi^0_1(L)$
$<_s{}^{**}$
$\#(t)$
$+^{**}$
$t[i,r]$
$\Gamma(T,x)$
L^2
$\leq 1\mathrm{CSUB}$
$\lfloor x \rfloor$
$f_{<}A$
fA
$R(f)$
$1\text{-}\mathrm{Con}$
$A\text{-}\mathrm{tree}$
$[A]^n$
fE
R^+
$R\#$
$R|<x$
$R|\leq x$
$R(S,k,r)$
T^{-1}
T_x
$T|<x$
$T|\leq x$
$X(t)$
$R(x_1,\ldots,x_k)$
$y[1{:}n]$
$\lambda(k,n,m,R_1,\ldots,R_{n-1})$
$\lambda'(k,n,R_1,\ldots,R_{n-1})$
$\mu(p,q,\varphi)$

Words, Phrases

-α-

α^+
$\alpha(E)$
$\alpha(r,E)$
$\alpha(r,E;p,q)$

$\alpha(E;p,<\infty)$
α (BRT fragment)
    assertion
    assignment
    basic
    correct
    elementary inclusions
    equation
    equivalent
    format
        incorrect
    formula
    inclusions
    inequations
    pre elementary inclusions
    standard
        m functions and n sets
        m functions and n sets/$\subseteq$
    statements
    T correct
    T incorrect
    T reduction
    T secure
    tabular classification
    tabular T classification
    terms
    valid
    worklist

-A-

absoluteness theorem
ACA_0
ACA'
ACA
adequate
AF(L)
AL(α,β)
ALF(α,β)
annotated table
arithmetic
arithmetic progression conditions
asymptotic
assignment
atomic indiscernibility
A(r,n,m,φ,a,b)
AS(L*)

AS(L**)
ATR_0

-B-

BAF
BFCN
binary relation
Boolean equation
Boolean inequation
bounded
bounded comprehension
bounded linear operators
bounding conditions
Borel functions
BRT
    ⊆ assertions
    ⊆ valid
    assertion
    core term
    environment
        principal
    equation
    fixed point theorem
    formula
    fragment
        standard
        flat
    inequation
    mixed
    signature
        standard
        flat
        entries
    setting
    term
    topological
    transfer
    valid
    variable

-C-

C
C'
cancellation law
Cantor space

CCOPSUB
CFCN
C^1FCN
C^∞FCN
choice of norm
closed unbounded
CODE
code over R
collection
complementation
    upper
Complementation Theorem
    continuous
    for well founded relations
    for (V,K)
    shift dominating
    upper
constructible hierarchy
constructible universe
Contraction Mapping Theorem
critical
CSAFCN
cSUB
CT(L**)
CT(L*)

-D-

x-definable
density conditions
DEOPSUB
differentiability
digraph
discretely ordered commutative semigroup
dominator of digraph

-E-

E*
EBAF
EBRT
EFA
E formula
(ELG,INF)
ELG[1]
ELG[k]
r-embedding

equivalent clauses
Erdos-Rado tree
ERT(f)
ERT(f,α)
ETM(0,1,+,-,•,↑,log:p)
ETM(0,1,+,-,•,↑,log)
eventually strictly dominating
EVSD
EVSD[1]
EVSD[k]
Exotic Cases
expansive
expansive linear growth
exp-log
EXPN
extended template
extended terms
extensional

-F-

FCN
FCSUB
finite homogenous sets
finitely many exceptions
FIN(α,β)
first order
fld
FMOPESUB
FODO(R)
forcing
formal Boolean equivalence
Free Set Theorem

-G-

GCH
geometric progression conditions
GN
good
great

-I-

I
IΣ_0(exp)
IBRT

INCODE
indiscernibility
indiscernibles
INF
INF(Z)
INF(α,β)
infinite Ramsey theorem
inner trace
internal
invariant subspace problem

-J-

Jordan content

-K-

K(Π)
kernel of digraph
kind

-L-

L
L#
L^
L*
L**
L(x)
L[x]
L[∞]
L(∞)
L(E)
L*(E)
L($\in$,=)
large cardinal
LB
Lebesgue measure
limit point
Lipshitz conditions
linearly bounded
log
lrk
lth(λ)
lth(t)
lth'(φ)

-M-

M*
M**
M#
M^
M^{+}
M*[r]
M**<S>
M**[S,r]
MAH
MAH^{+}
Mahlo
n-
M-assignment
maximally α,T correct
M,E definable
M*,E definable
MF
MF[1]
MF[k]
(MF,INF)
M(I)
min homogenous
minimal code over R
multivariate function
on N

-N-

N
N**<S>
(N,+,↑)
(N,+,f), f the superexponential
NAT
next regressive
nonasymptotic
NON(α,β)
NOPSUB
nonstandard
nowhere dense
nst(M**)
numerical label

-O-

obvious implications

n,k-ordering
ot(k)
o-minimal
On
outer trace

-P

P
pair equivalent
PA(L)
PBRT
piecewise
Π^1_1-CA_0
pointwise continuity
POW(E)
power set
precedence
table
Presburger
pre well ordering
primitive recursive
Principal Exotic Case

-Q-

Q

-R-

RAFCN
RCA_0
real analytic
real valued measurable cardinal
recursive
reduction
operations
regressive
regularity conditions
relativization
p,q,r-representation
Res(n,m)
restricted SOI
reverse
RNAT
rng

-S-

SAFCN
Sard's theorem
Sat(M,φ,h)
Sat(M*,φ)
SAT(R,n,x,m)
S-constants
SD
(SD,INF)
SD(R)
SD[1]
SD[k]
second incompleteness theorem
second order
Semenov conditions
semialgebraic
separation
shape
sharply extended
shift dominating
SMAH
SMAH$^+$
SOI
 (N,+)
square bracket partition relation
special SOI
specially related
special
S,r-embedding
Skolem hull
SMAH
SMAH$^+$
p,q,b;r,n-special structure
     /prim
p,q,b;r,n-special type
     /prim
st(M**)
standard
standard pairing function
starred worklist
strictly dominating
     on N
strong SOI
strongly inaccessible
strongly Mahlo
strongly n-Mahlo

p,q,b-structure
p,q,b;r-structure

sup
superexponential
Szemeredi's theorem

-T-

table
    AA
    AB
    reduced
        AA
        AB
        BA
        BB
        BC
        AC
        BA
        AC
tabular α,T classification
TEMP 1
TEMP 2
template
term decomposition
n,k-terms
(p,<∞) term
p,q,r-term
terrific
Thin Set Property
Thin Set Theorem
TM(0,1,+,-,•,↑,log:p)
trace
TREE
tree methodology
TM(0,1,+,-,•,↑,log)
TM(L)
TR(Π^0_1,L)
transfinite constants
r-type
p,q,b;r-type
    /prim

-U-

U

ultimately periodic
UNCLSUB
UNOPSUB
uniform continuity
universal sentence preservation
universal set
upper density
upper image
upper logarithmic density

-V-

Val(M,t,h)
Val(M*,t)
Val(M**,t)
VCT(L**\g)
V(L)

-W-

W
weakly inaccessible
weakly compact cardinal
well founded
    binary relation
witness
WKL_0
worklist
    label
    root

-X-

-Y-

Y_k

-Z-

ZF\P
ZFC