

Glossary of Notation

LST 3	$x \cup y$ 7	$f: X \cong Y$ 10
$=$ 3	$\bigcap x$ 7	$f \circ g$ 10
\in 3	$x \cap y$ 7	${}^x y$ 10
\wedge 3	$x - y$ 7	id 10
\neg 3	$\mathcal{P}(x)$ 7	$(x_\xi \xi < \alpha)$ 11
\exists 3	Trans(x) 7	$\{x_i i \in I\}$ 11
v_i 3, 32	On(x) 7, 59	$\bigcup_{i \in I} x_i$ 11
Φ, Ψ, Θ 3	α, β, γ 7	$\bigcap_{i \in I} x_i$ 11
x, y, z 3	On 8	$\bigcup_{v < \tau} x_v$ 11
\notin 3	$\alpha < \beta$ 8	$\bigcap_{v < \tau} x_v$ 11
\neq 3	$\alpha \leq \beta$ 8	sup α_v 11
\vee 3	sup(A) 8	$(u)_0, (u)_1$ 11
\rightarrow 3	0, 1, 2, etc 8	$(u)_0^0, \dots, (u)_{n-1}^n$ 11
\leftrightarrow 3	succ(x) 8	TC(x) 12
\forall 3	lim(x) 8	V_α 12
$(\exists v_m \in v_n)$ 3	ω 8	rank(x) 12
$(\forall v_m \in v_n)$ 3	m, n, i, j, k 8	$\alpha + \beta$ 13
\subseteq 4	$\exists \alpha \Phi(\alpha)$ 8	$\alpha \cdot \beta$ 13
$\exists!$ 4	$\forall \alpha \Phi(\alpha)$ 8	α^β 13
\subset 4	otp(X) 8	$\omega \cdot \alpha$ 13
ZF 4	(x_1, \dots, x_n) 9	$ X $ 13
\tilde{x}, \tilde{a} 4	$X \times Y$ 9	κ^+, α^+ 13
\emptyset 5	X^2, X^3, etc 9	ω_α 14
AC 5	$R(\tilde{x})$ 9	\aleph_α 14
ZFC 5	dom(R) 9	$\forall \kappa \Phi(\kappa)$ 14
\vdash 6	ran(R) 9	$\exists \kappa \Phi(\kappa)$ 14
\rightarrow_{ZF} 6	$R \upharpoonright Z$ 9	$\sum_{\alpha < \beta} \kappa_\alpha$ 14
$\{x \Phi(x)\}$ 6	$R'' Z$ 9	$\kappa + \lambda$ 15
$\{x \in y \Phi(x)\}$ 6	$R(\tilde{x}) = y$ 9	$\prod_{\alpha < \beta} \kappa_\alpha$ 15
X, x, Y, y, Z, z 6	$f: X \rightarrow Y$ 9	$\bigtimes_{\alpha < \beta} A_\alpha$ 15
$\{x_1, \dots, x_n\}$ 6	$f: X \xrightarrow{(1-1)} Y$ 9	
$\{x\}$ 7	$f: X \xrightarrow{\text{onto}} Y$ 10	
$\{x, y\}$ 7	$f: X \leftrightarrow Y$ 10	
(x, y) 7	f^{-1} 10	
$\bigcup x$ 7	$f^{-1}'' Z$ 10	