

Index of Symbols

\mathcal{U}	1.2	$\text{Coeq}(f, g)$	16.6
$\mathcal{P}(X)$	1.1	$\text{Ker}(f)$	16.17
$A \xrightarrow{f} B$	1.1, 3.1, 9.1, 13.1	$\text{Cok}(f)$	16.17
$f \circ g$	2.1, 3.8, 9.4, 13.3	$A \times B$	1.1, 18.2
$\text{hom}(A, B)$	2.1, 3.1, 10.2	$A \amalg B$	18.3
$\text{dom}(f)$	3.1	$\prod A_i$	1.1, 18.5, 18.7
$\text{cod}(f)$	3.1	$\coprod A_i$	1.1, 18.6, 18.7
$\text{Mor}(\mathcal{C})$	3.1	$\langle f_i \rangle$	18.5
$\text{Ob}(\mathcal{C})$	3.1	$[f_i]$	18.6
\mathcal{C}/\sim	4.6	$\prod f_i$	18.15
$\mathcal{C}_1 \times \mathcal{C}_2$	4.8	$\coprod f_i$	18.15
$\mathcal{C}_1 \amalg \mathcal{C}_2$	4.10	Δ	18.7
\mathcal{C}^{op}	4.12	∇	18.7
\mathcal{C}^2	4.16	(X, f_i)	19.1
\mathcal{C}^3	4.17	(f_i, X)	19.1
(A, \mathcal{C})	4.18	$\text{Lim } D$	20.8
(\mathcal{C}, A)	4.19	$\text{Colim } D$	20.8
(A, f)	6.22	Lim_I	23.4
(f, A)	6.22	Colim_I	23.4
hom	10.2	$(\eta, \varepsilon): F \dashv \vdash G: (\mathcal{A}, \mathcal{B})$	27.1
Hom	10.4	$F \dashv \vdash G$	27.1
$\delta * \eta$	13.10	$[F, G]$	30.5
$\mathcal{B}^{\mathcal{A}}$	15.1	δ_{jk}	40.3
$[\mathcal{A}, \mathcal{B}]$	15.1	$A \oplus B$	40.4
$\text{Equ}(f, g)$	16.6	$\oplus f_i$	40.6