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Special Notation

\mathbb{N}	natural numbers	\mathbb{Z}	integers
\mathbb{Q}	rationals	\mathbb{R}	real numbers
\mathbb{C}	complex numbers	\mathbb{I}_n	integers mod n
$A \subseteq B$	A a subset of B	$A \subsetneq B$	A a proper subset of B
$ X $	cardinal number of a set X	$X \ni x$	$x \in X$
$X \hookrightarrow Y$	injection, monomorphism	$X \twoheadrightarrow Y$	surjection, epimorphism

$v_0, \dots, \widehat{v}_i, \dots, v_n$ list v_0, \dots, v_n with v_i omitted

∂_n	5	R^{op}	15	$\bigoplus_{i \in I} A_i$	53
Z_n	6	\mathbf{Mod}_R	16	$\prod_{i \in I} A_i$	53
B_n	6	$\text{Hom}_R(A, \square)$	17	A^X	53
H_n	6	f_*	17	$(A_i)_{i \in I}$	53
$\text{Hom}_{\mathcal{C}}(A, B)$	8	$\text{Hom}_R(\square, B)$	20	$A \otimes_R B$	71
$\text{obj}(\mathcal{C})$	8	f^*	20	$A \otimes_R \square, \square \otimes_R B$	75
Sets	9	V^*	20	${}_R M_S$	75
Groups	9	\mathcal{C}^{op}	22	A^e	83
Top	10	$\text{Nat}(F, G)$	25	$\text{Frac}(R)$	94
Asc	11	\mathcal{B}^A	27	$\text{Env}(M)$	127
$N(\mathcal{U})$	11	$\mathbf{pSh}(X, \mathbf{Ab})$	28	$\mathbb{Z}(p^\infty)$	131
Htp	12	Δ^n	29	tM	134
Ab	12	$\mathbf{S}_\bullet(X)$	33	R^\times	189
ComRings	12	kG	38	R_p	194
${}_R M$	13	$\langle X \rangle$	42	$S^{-1}R$	195
$Z(R)$	13	$\ker f$	43	$A \sqcup B$	214
M_R	14	$\text{im } f$	43	$A \sqcap B$	217
$\text{Hom}_R(A, B)$	15	$\text{coker } f$	43	$X \vee Y$	227
${}_R \mathbf{Mod}$	15	$S \oplus T$	49	$\{M_i, \psi_i^j\}$	230
				$\varprojlim M_i$	231

$\{M_i, \varphi_j^i\}$	237	\widehat{C}	392	$H_n(G, A)$	535
$\varinjlim M_i$	238	$\text{Div}(f)$	394	$\text{PGL}(n, k)$	553
$\text{Spec}(R)$	276	$\text{ord}_p(f)$	397	$\Phi(G)$	558
$\text{Hom}_{\text{et}}(\mathcal{F}, \mathcal{F}')$	276	$\text{pd}(A)$	454	Pairs* , Pairs*	564
Sh _{et} (X, \mathbf{Ab})	276	$\text{id}(B)$	457	Res	566
$\Gamma(\square, \mathcal{S})$	278	$\ell \text{D}(R), r \text{D}(R)$	459	Inf	566
$\text{Hom}_{\text{sh}}(\mathcal{F}, \mathcal{F}')$	281	$\text{fd}(A)$	461	$N_{G/S}$	572
Sh (X, \mathbf{Ab})	281	$\text{wD}(R)$	462	Tr	573
\mathcal{P}^{et}	282	$\text{pd}_R(A)$	467	$\widehat{H}^q(G, A)$	582
\mathcal{P}^*	285	$\text{ann}(X), \text{ann}(x)$	480	$C_G(A)$	588
Sh (X, \mathcal{A})	309	$\text{Aut}(G)$	497	$N_G(A)$	591
C. or (C. , $d.$)	318	$\text{Inn}(G)$	497	$\text{cd}(G)$	591
Comp (\mathcal{A})	318	$\text{Out}(G)$	497	\mathbb{H}	595
${}_R \text{Comp}, \text{Comp}_R$	318	$K \times Q$	500	$\text{Mat}_n(k)$	596
$\Sigma^k(f)$	324	D_8	501	$\text{Br}(k)$	599
\mathbf{P}_A	325	\mathbf{V}	501	$\text{Br}(E/k)$	601
\mathbf{E}^A	326	\mathbf{Q}	503	$M_{p,q}$	610
C_n	329	XGr (K, Q, f)	507	(M, d', d'')	612
Z_n	329	Gr (K, Q, f)	507	$\text{Tot}(M)$	613
B_n	329	\mathbf{Q}_n	513	A. \otimes_R B.	614
H_n	329	T	513	$\{F^p \mathbf{C}\}$	616
$\text{cls}(z)$	329	$\text{Stab}(Q, K)$	514	${}^I F^p \text{Tot}(M)$	617
f_*, f_{n*}	331	$\text{Der}(Q, K)$	516	${}^{II} F^p \text{Tot}(M)$	618
$f \simeq g$	337	$\text{PDer}(Q, K)$	517	$\{E^r, d^r\}$	622
$L_n T$	344	$\text{Inn}(Q, K)$	517	$E_{p,q}^\infty$	624
f^*	343	A^G	519	$E_{p,q}^2 \Rightarrow H_n$	626
$\text{Tor}_n^R(\square, B)$	346	Fix^G	520	$\{{}^I E^r, d^r\}$	629
$\text{tor}_n^R(A, \square)$	346	$H^n(G, A)$	520	$\{{}^{II} E^r, d^r\}$	629
$R^n T$	364	\mathcal{G}	521	$H'_p H''_q(M)$	630
$\text{Ext}_R^n(A, \square)$	365	G^\times	521	$H''_p H'_q(M)$	631
$R^n T$	370	B. (G)	528	Hom (A. , B.)	638
$\text{ext}_R^n(\square, B)$	370	P. (G)	529	${}^I E_r^{p,q}$	640
$H^q(\mathcal{F})$	378	B.* (G)	531	${}^{II} E_r^{p,q}$	640
$C^q(\mathcal{U}, \mathcal{F})$	385	A_G	536	cone (f)	650
$\check{H}^q(\mathcal{U}, \mathcal{F})$	386				
$\check{H}^q(\mathcal{F})$	391				

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