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## Table of Symbols

$\mathcal{S}_x, \varphi_x$ 1	$\mathcal{H}om_{\mathcal{A}}(\mathcal{S}, \mathcal{S}')$ 13	$\check{f}$ 46, 48
$\mathcal{S}_1 \oplus \mathcal{S}_2$ 1	$An \mathcal{S}$ 13	$\dot{\pi}$ 51
$\mathcal{S}_Y, \mathcal{S} Y$ 2	$\mathcal{R}_M$ 14	$T(x)$ 57
$s_x$ 2	$\check{f}$ 15	$\mathcal{D}(R, M)$ 58
$\Gamma(Y, \mathcal{S}), \mathcal{S}(Y)$ 2	$\mathcal{E}^{\mathbb{R}}, \mathcal{E}_X^{\mathbb{R}}, \mathcal{E}^{\mathbb{C}}, \mathcal{E}_X^{\mathbb{C}}$ 15	$\mathcal{T}$ 59
$r_V^U$ 2	$\mathcal{O}$ 16	$A'(x), A(x)$ 59
$\Gamma(\mathcal{S})$ 2	$\mathcal{O}_X$ 16	$\varphi \wedge \psi$ 59
$\Gamma(\varphi)$ 2	$\text{Hol}(X, Y)$ 17	$f_*, f^*$ 60
$\check{\Gamma}(S)$ 3	$X_1 \times X_2$ 17	$\mathcal{A}'$ 61
$\check{\Gamma}(\Phi)$ 3	$\text{Gph } f$ 17	$\mathcal{A}$ 61
$\prod_{i \in I} \mathcal{S}_i$ 4	$\text{rad } \mathcal{S}$ 19	$\bar{\varphi}$ 62
$f_*(\mathcal{S})$ 5	$\dim \text{top}_x A$ 19	$d$ 62
$\hat{f}_x$ 5	$\dim_x A$ 19	$\mathcal{A}^{p,q}$ 66
$f_*(\varphi)$ 5	$\text{codim}_x A$ 19	$\Omega^p$ 66
$\text{supp } \mathcal{S}$ 6	$\dim A$ 20	$\partial, \bar{\partial}$ 67, 68
$\mathcal{R}^p$ 6	$\text{red } X$ 20	$\bar{\Omega}^p$ 69
$\mathcal{S}' \cap \mathcal{S}''$ 7	$\text{red}$ 20	$Tf$ 72
$\mathcal{S}' + \mathcal{S}''$ 7	$\mathcal{M}$ 21	$\text{supp } \varphi$ 81
$\mathcal{S} \cdot \mathcal{S}$ 7	$\mathcal{F}(\mathcal{S})$ 25	$B(V), B^*(V)$ 86
$\mathcal{H}er \varphi$ 7	$Z^q(K^*)$ 28	$d(Q)$ 96
$\mathcal{S}/\mathcal{S}'$ 7	$B^q(K^*)$ 28	$\hat{M}, \hat{M}_X$ 108
$\mathcal{I}m \varphi$ 7	$H^q(K^*)$ 29	$P^0$ 111
$m(\mathcal{R}_x)$ 8	$\mathcal{F}^q(\mathcal{S})$ 30	$\mathcal{H}$ 137
$\mathcal{C}$ 8	$\mathcal{F}^*(\mathcal{S})$ 30	$\mathcal{O}^*$ 138
$s(x)$ 8	$H^q(X, \mathcal{S})$ 30	$\mathcal{M}^*$ 138
$n(\mathcal{R})$ 8	$C^q(\mathcal{U}, S)$ 34	$\mathcal{D}$ 138
$\text{red } \mathcal{R}$ 8	$H^q(\mathcal{U}, S), H^q(\mathcal{U}, \mathcal{S})$ 34	$(h)$ 138
$s/s'$ 9	$C_a^q(\mathcal{U}, S)$ 34	$D^+, D^-$ 140
$\text{Ker } \Phi$ 9	$H_a^q(\mathcal{U}, S)$ 34	$\exp f$ 143
$\text{Im } \Phi$ 9	$i_q(\mathcal{U})$ 34	$c(D)$ 144
$\text{Rel}(s_1, \dots, s_p)$ 11	$h^q(\mathfrak{B}, \mathcal{U}), h^q(\mathcal{U})$ 36	$\mathcal{C}^*$ 144
$\mathcal{C}oker \varphi$ 12	$\check{H}^q(X, S), \check{H}^q(X, \mathcal{S})$ 36	$DC(X)$ 146
$\mathcal{S} \otimes_{\mathcal{A}} \mathcal{S}'$ 12	$\check{H}_a^q(X, S), \check{H}_a^q(X, \mathcal{S})$ 37	$\mathcal{O}(D)$ 146
$\otimes^p \mathcal{S}$ 13	$i_q$ 37	$G(\mathcal{M})$ 146
$\bigwedge^p \mathcal{S}$ 13	$d(M)$ 37	$\mathcal{L} \cdot \mathcal{S}'$ 146
	$\mathcal{S} \langle Y \rangle$ 40	$LF(\mathcal{M})$ 147



$LF(X)$	147	$C^q(\mathfrak{A}), C_h^q(\mathfrak{A})$	196	$\chi(\mathcal{S})$	210
$\text{supp } \circ$	150	$C_h^q(\mathfrak{u}, \mathcal{S})$	196	$l(D), i(D)$	211
$\mathcal{Z}(\circ)$	150	$\ \zeta\ _{\mathfrak{u}}$	197	$g$	211
$\chi_p$	176	$Z^q(\mathfrak{A}), Z_h^q(\mathfrak{A}), Z_h^q(\mathfrak{u}, \mathcal{S})$	197	$c(\mathcal{F})$	215
$\mathcal{X}(T)$	180	$\mathfrak{A}' < \mathfrak{A}$	198	$\det \mathcal{F}$	216
$\hat{T}_x, \hat{C}_p$	182, 183	$\mathcal{F}^\infty$	204	$\mathcal{H}(D)$	219
$\mathcal{F}$	183	$\mathcal{F}^\infty(X)^*, \mathcal{F}(X)^*$	204	$R, R(D)$	220
$\ f\ _B$	187	$\text{Div } X$	205	$I(D)$	220
$\mathcal{C}_h(B)$	187	$\text{deg } D$	205	$J(D), J$	221
$(f, g)_B$	188	$ D $	205	$\text{Res}_x \omega_x$	222
$\mathcal{C}_h^k(B)$	189	$(s)$	206	$\langle \omega, F \rangle$	223
$\circ_p(f)$	191	$\mathcal{F}(D)$	206	$K$	225
$\omega_p(f)$	192	$\mathcal{L}(D)$	207	$\mu(\mathcal{F})$	233
$F(\alpha), F(\alpha)^*$	193	$\chi_0(\mathcal{S})$	209	$\mathcal{C}(n)$	237
$H_j, H_j^*$	193				

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