

Index

\in , 45

\cup_K , 148

$\cup_{K,\psi}$, 149

\cup_U , 147

$[,]$, 124

$[,]^0$, 136

$[,]_{\text{cris}}$, 125

$\backslash B93AE, \backslash BA3AF$, 106

$\backslash B93AE, \backslash BA3AF_{\text{Iw}}$, 115

$\backslash B93AE, \backslash BA3AF_{\text{Iw}}^0$, 114

$\backslash B93AE, \backslash BA3AF_{\text{Iw},\Gamma_n}$, 115

$\langle, \rangle_{\mathbf{B}}$, 67

$\langle, \rangle_{\mathfrak{X}}$, 67

$\langle, \rangle_{\mathfrak{Y}}$, 107

$\langle, \rangle_{\mathfrak{X}^\times}$, 69

$\langle, \rangle_{\mathfrak{X}_n^\times}$, 68

$\langle, \rangle_{\Gamma_L}$, 108

$\langle, \rangle_{\text{Tate},L,\dagger}$, 147

A, 13

A_{cris} , 17

$A_{\text{cris},L}$, 17

A^\dagger , 121

$\text{Aff}(\mathfrak{Y})$, 56

\mathcal{A}_L , 10

\mathbf{A}_L , 13

\mathbf{A}_L^\dagger , 121

\mathbf{A}_L^+ , 13

\mathbf{A}_L^{nr} , 13

\mathbf{A}^+ , 13

$\tilde{\mathbf{A}}$, 121

$\tilde{\mathbf{A}}^\dagger$, 121

aug, 111

B, 13

b , 122

$\mathbf{B}_{[0,r]}$, 59

$\mathbf{B}_{[0,r]}$, 59

\mathbf{B}_1 , 39

$B_{\text{cris},L}$, 14

\mathbf{B}^\dagger , 121

\mathcal{B}_L , 10

\mathbf{B}_L , 121

\mathbf{B}_L^\dagger , 121

B_{max} , 17

$\mathbf{B}(r)$, 43

$\mathbf{B}_1(r)$, 43

$\mathbf{B}_1^-(r)$, 43

$\mathbf{B}(r,1)$, 59

$\mathbf{B}_{[r,s]}$, 59

\mathcal{C} , 115

$C^{\text{an}}(o_L, K)$, 39

$C_{\mathbb{Q}_p}^{\text{an}}(o_L, K)$, 39

\mathcal{C}^\bullet , 142

$\tilde{\mathcal{C}}_{\text{an}}^\bullet$, 142

$\tilde{\mathcal{C}}$, 115

χ_{cyc} , 10

χ_{LT} , 9

$\chi_y(a)$, 44

$\chi_z \otimes \beta$, 39

comp, 21

comp_M , 122

cor, 127

$\text{cor}_U^{U_1}$, 141, 150

CW_r , 129

$D(-)$, 13, 14

$\mathcal{D}(-)$, 31

d , 9

D_0 , 122

$D_{\text{cris}}(-)$, 15

$D_{\text{cris},L}(-)$, 15

$D^\dagger(V)$, 121

- $D_{\text{rig}}^{\dagger}(V)$, 121
 $D_{\text{dR}}(-)$, 15
 $D_{\text{dR},L}^0(V)$, 127
 $D_{\text{dR},L}(V)$, 127
 ∂_{inv} , 9
 $\tilde{\partial}_{\text{inv}}^{\mathfrak{Y}}$, 122
 δ_a , 40
 δ_{γ}^x , 88
 df , 64
 $D(-, K)$, 39
 $D_{\mathbb{Q}_p}(-, K)$, 39
 \mathfrak{D}_L , 14
 $D_{\text{LT}}^{\dagger}(-)$, 23
 $D_{\text{LT}}(-)$, 15
 \mathbf{d}_r , 127

 e , 9
 \mathbf{E}_L , 13
 $\mathbf{E}_L^{\text{sep}}$, 13
 $\tilde{\mathbf{E}}_L$, 10
 $\tilde{\mathbf{E}}^+$, 10
 $\text{End}_K(M^I)$, 83
 η , 9
 η_{χ} , 116
 η_{cyc} , 127
 η' , 51
 $\eta(a, Z)$, 73
 \exp^* , 130

 F_{λ} , 40

 Γ_L , 10
 Γ_n , 77
 G_L , 9
 $g_{\text{LT}}(Z)$, 9
 $g_{u,\eta}$, 129

 h , 134
 h^* , 144
 $h_{U,V}^*$, 144

 $h_{L_{\infty},Z}^1$, 151
 H_L , 10
 $H_n(\gamma)$, 83
 \tilde{H}_n , 86
 $H_{/\dagger}^1(L_{\infty}^U, W^*(1))$, 147
 $H_f^1(L, W^*(1))$, 157
 $H_{\text{an}}^*(G, M)$, 142
 $H_c^*(\mathfrak{Y}, \mathcal{F})$, 56
 $H^*(G, M)$, 142
 $H_{\text{Iw}}^*(L_{\infty}/L, T)$, 127
 $H_{\text{Iw}}^*(L_{\infty}/L, V)$, 127
 $H_{\text{II}}^*(\mathfrak{Y}, \mathcal{F})$, 56
 $\tilde{\mathbb{H}}_n$, 87

 I , 82
 I_L , 31
 $I(r, \mathfrak{Y})$, 75
 ι , 106
 ι_{n*} , 78
 ι_* , 106

 K , 39
 k_L , 9
 κ , 130
 κ^* , 51
 κ_z , 52
 K_{\bullet} , 139
 $K^{\bullet}(M)$, 139
 $K_{\bullet}(M)$, 139
 $K_{\bullet}(M)^{\bullet}$, 139
 $K_{f,U}(M)$, 148

 \mathfrak{L} , 130
 \mathcal{L} , 129, 130
 \mathcal{L}_V , 128
 \mathcal{L}_V^0 , 128
 $\mathcal{L}_{L(\tau)}$, 132
 \mathfrak{L} , 55, 79
 L_V , 127
 $\ell(b)$, 101

$\ell^*(b)$, 111
 $\hat{\ell}$, 77
 I_i , 131
 L_∞ , 10
 L_n , 10
 ℓ_n , 49
 $\hat{\ell}_n$, 77
 ℓ_{n*} , 49
 $\log_{\mathbf{B}}$, 107
 \log_{LT} , 9
 $\widetilde{\log}_{L,W^*(1)}$, 157
 $\log_{\mathfrak{y}}$, 63
 LT , 9

M_K , 94
 \tilde{M} , 106
 $M(\chi)$, 116
 \mathfrak{M} , 96
 \mathfrak{M}_{LT} , 52, 96
 \mathfrak{M}^{Ω^1} , 110
 $\mathfrak{M}(-)$, 43
 $\mathfrak{M}^{\text{et}}(\mathbf{A}_L)$, 15
 $\mathfrak{M}_f^{\text{et}}(\mathbf{A}_L)$, 15
 $\mathcal{M}^{\text{an},\text{ét}}(\mathcal{R})$, 120
 $\mathcal{M}(\mathcal{R})$, 81
 $\mathcal{M}^{\text{an}}(\mathcal{R})$, 81
 $\text{Mod}_L^{F,\varphi_q}$, 14
 $\text{Mod}_{L_0 \otimes_{\mathbb{Q}_p} L}^{F,\varphi}$, 14
 $\text{Mod}_L^{F,\varphi_q,\text{wa}}$, 14
 $\text{Mod}_{\varphi_L,\Gamma_L,\text{an}}$, 14
 $\text{Mod}_{\mathcal{O}}^{\mathbb{A}_+^{\text{an}},\Gamma_L,0}$, 14
 $\text{Mod}_{\mathcal{O}}^{\varphi_L,\Gamma_L,\text{an}}$, 13
 μ_χ , 64

N , 31
 $N(-)$, 21
 $N^{(\varphi)}(-)$, 28
 ∇ , 99
 ∇_{Lie} , 128
 $\tilde{\nabla}$, 122

$|\cdot|_{\mathfrak{y}}$, 39
 \mathcal{O} , 13
 $\mathcal{O}^\dagger(-)$, 59
 $\mathcal{O}_K(\mathbf{B})$, 51
 $\mathcal{O}_K(\mathfrak{y})$, 39
 ω , 11
 ω_{LT} , 11
 Ω , 9
 $\tilde{\Omega}$, 119
 $\Omega_{V,h}$, 134
 $\Omega_{V,h}$, 135

Φ , 143
 φ_L , 10, 40, 72
 φ_{cris} , 28
 φ^I , 76
 $\varphi_L^* \mathcal{M}$, 13
 φ_M , 10
 φ_q , 13
 π_L , 13
 pr_U , 149, 160
 Ψ , 143
 ψ_L , 10, 73
 ψ^I , 76
 $\psi_L^{\mathbf{B}}$, 74
 ψ_L^D , 41
 $\psi_L^{\tilde{x}}$, 41, 48
 ψ_M , 10

\mathcal{Q} , 13
 q , 9
 \mathcal{Q}_m , 35
 $q_{\mathfrak{y}}$, 75

$\text{Rep}_L(G_L)$, 9
 $\text{Rep}_L^{\text{an}}(G_L)$, 120
 $\text{Rep}_L^{\text{cris}}(G_L)$, 15
 $\text{Rep}_L^{\text{cris},\text{an}}(G_L)$, 15
 $\text{Rep}_{o_L,f}(G_L)$, 15

- $\text{Rep}_{o_L, f}^{\text{cris, an}}(GL)$, 15
 $\text{res}_{\mathbf{B}}$, 67, 106
 $\text{res}_{U_1}^U$, 141, 150
 $\text{res}_{\mathfrak{X}}$, 67
 $\text{res}_{\mathfrak{X}^\times}$, 69
 $\text{res}_{\mathfrak{X}_n^\times}$, 68
 ϱ , 108
 \mathcal{R} , 14, 70
 \mathcal{R}^I , 71
 $\mathcal{R}_K(\Gamma_L)$, 77
 $\mathcal{R}_K(\Gamma_n)$, 77
 $\mathcal{R}_K^I(\Gamma_n)$, 78
 $\mathcal{R}_K(\mathfrak{X})$, 46
 $\mathcal{R}_K^I(\mathfrak{X})$, 74
 r_m , 81

 s , 31
 ς , 110
 σF , 54
 $\sigma^* F$, 55
 $\sigma \lambda$, 56
 S_n , 45

 \mathcal{T} , 142
 \mathcal{T}^{an} , 142
 t_{LT} , 4
 $t_{\mathbb{Q}_p}$, 127
 $t_{\mathbf{B}}$, 4
 $t_{\mathfrak{X}}$, 4
 $t_{\mathfrak{Y}}$, 116
 $\tan_L(V)$, 156
 $\tan_{L, \text{id}}(V)$, 156
 τ , 10
 Θ , 18
 Θ_b , 102
 Θ_L , 18
 Θ_n , 91
 $\widetilde{\Theta}_b$, 111
 $(-)$, 15
 T_π , 9
 T'_π , 9
 tr_α , 62

 trc , 170
 $\mathbb{T}_{\tau^{-1}}$, 157
 tw_χ , 116
 Tw_χ^D , 50
 $\text{Tw}_z^{\mathfrak{X}^G}$, 51

 U , 129
 U_n , 48

 $V(-)$, 15
 $V_L(-)$, 14
 V_π , 127

 $W(\widetilde{\mathbf{E}})_L$, 10
 $W(\widetilde{\mathbf{E}}^+)_L$, 10

 X , 79
 \mathfrak{X} , 39
 $\mathfrak{X}(r)$, 43
 $\mathfrak{X}^-(r)$, 44
 $\mathfrak{X}_{[r, s]}$, 44
 $\mathfrak{X}_{(r, 1)}$, 44
 $\mathfrak{X}[\pi_L]$, 42
 \mathfrak{X}_{Γ_L} , 77
 \mathfrak{X}_{Γ_n} , 77
 \mathfrak{X}_0 , 39
 $\mathfrak{X}_0(r)$, 43
 $\mathfrak{X}_0^-(r)$, 44
 $\mathfrak{X}_0[r, s]$, 44
 \mathfrak{X}^\times , 49
 \mathfrak{X}_n^\times , 49
 $\mathfrak{X}_n^\times(r)$, 50
 $\mathfrak{X}_{n, [r, s]}^\times$, 50
 $\mathfrak{X}_{n, (r, 1)}^\times$, 50
 \mathfrak{E}_b , 100
 $\widetilde{\mathfrak{E}}_b$, 102
 $\widehat{\mathfrak{E}}_b$, 111

 Y_n , 79

 ζF , 42