

## LIST OF CORRECTIONS / TYPOS IN ARTHUR'S CLAY NOTES

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This is a list of corrections and typographical errors in Arthur's Clay notes. If you notice typos not included here, please email me at [abhishekiparab@gmail.com](mailto:abhishekiparab@gmail.com). Any errors in these errata is entirely my fault. Notation: "p.x l.y" refers to line y from the top on page x (not counting headers) whereas "p.x l.-y" refers to line y counted from the bottom (counting lines in footnotes).

Abhishek

- p. 12 l. 18: Replace  $G(F_S)$  with  $G(\mathbb{Q}_S)$ .
- p. 35 l. 4: The definition of intertwining operator should have the term  $e^{-(s\lambda + \rho_{P'})(H_{P'}(x))}$  inside the integral.
- p. 35 l. -15: The line should read  $x \mapsto \sum_{P \in \mathcal{P}} n_P^{-1} \int_{i\mathfrak{a}_P^*} E(x, F_P(\lambda), \lambda) d\lambda$ .
- p. 38 l. -1:  $\tau_P(H_P(\delta x))$  should be replaced with  $\tau_P(H_P(\delta x) - T)$ .
- p. 42 Figure 8.5: The point labelled  $H$  is  $H_1$ .
- p. 44 l. 10: The matrix  $\begin{pmatrix} u_1 & 0 \\ 0 & u_1^{-1} \end{pmatrix}^{-1}$  should be replaced with  $\begin{pmatrix} u_1 & * \\ 0 & u_1^{-1} \end{pmatrix}^{-1}$ .
- p. 46 l. 13: Replace  $Q$  with  $P$ .
- p. 46 l. 16: Replace  $P$  with  $Q$ .
- p. 55 l. 3: The integral should be replaced with a sum.
- p. 59 l. -4: Replace  $G(\mathbb{Q})_\gamma$  with  $G(\mathbb{Q})_{\gamma_1}$  at both places.
- p. 61 l. 3: Replace  $f(x^{-1}\gamma x)$  with  $f(x^{-1}\gamma_1 x)$ .
- p. 61 l. 6:  $\chi_T$  should be  $\psi_T$ .
- p. 66 l. -6: The  $\mathcal{P}$  should be replaced with  $P$  in the index of the direct sum.
- p. 67 l. 5, 6: The  $\mathcal{P}$  in  $\mathcal{B}_{\mathcal{P}, \chi}$  should be replaced with  $P$  at both places.
- p. 67 l. -13: The integral is over  $i\mathfrak{a}_{P_1}^*$ .
- p. 73 l. -7: The integral is missing  $dn$ .

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- p. 75 l. 14: Replace = with  $\leq$ .
- p. 82 l. -6: The term  $H_Q(\delta x)$  should be replaced with  $H_Q(y)$  in Equation (15.5).
- p. 97 l. -3: The sum is taken over  $Q \in \mathcal{F}(M)$ .
- p. 101 l. -4: Replace  $c_M^{Q_2}(\lambda)$  with  $d_M^{Q_2}(\lambda)$ .
- p. 101 l. -2: Replace  $d_M^{Q_1}$  with  $d_M^{Q_2}$ .
- p. 105 l. 1: The line should read “is the point  $in K_S$  such that ...”.
- p. 105 l. 13: The integral is taken over  $M_{Q,\gamma}(F_S) \setminus M_Q(F_S)$ .
- p. 109 l. -20: The last sum needs to be taken over  $Q \in \mathcal{F}(L)$ .
- p. 115 l. 8: The reference is [A12, Corollary 8.7] and not A11.
- p. 139 l. -6:  $I_M(\gamma, f)$  to be replaced by  $J_M(\gamma, f)$ .
- p. 142 l. -16: The integrand should read  $h(y)(R_{y^{-1}}f)_{Q,y} dy$ .
- p. 147 l. 7: ... space of functions on  $\prod_{\text{temp}}(G(F_S)) \times \mathfrak{a}_{G,S}$ .
- p. 147 l. 14: The function  $\phi$  is on the space  $\prod_{\text{temp}}(G(F_S)) \times \mathfrak{a}_{G,S}$ .
- p. 149 l. 14: The equation referred to should be (22.13) and not (23.13).
- p. 151 l. -7: The sum should be taken over  $M \in \mathcal{L}$ .
- p. 232 l. -7: The integral is missing a  $d\pi$ .

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