

Errata in *Introduction to Shimura Varieties*

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Page 8, line -11 : Add) after $\text{Aut}(M^\infty)$.

Page 8, Example 1.1 : Change $\frac{dx dy}{y^2}$ to $\frac{(dx)^2 + (dy)^2}{y^2}$ (2 times).

Page 28, line 6 : Change $\psi(u, (-1)^n v)$ to $\psi(u, (-1)^n v)$.

Page 34, line -9 : Change $\text{Hol}(D)^+$ to H .

Page 45, Proposition 4.9 : Change $\mathbb{S} \rightarrow G_{\mathbb{R}}$ to $U_1 \rightarrow G_{\mathbb{R}}^{\text{ad}}$.

Page 57, line -7 : Change $(x, a) \in G(\mathbb{A}_f)$ to $(x, a) \in X^+ \times G(\mathbb{A}_f)$.

Page 62, line 14 : Change $T(\mathbb{Q}) \setminus (T(\mathbb{R}) \times T(\mathbb{A}_f) / (T(\mathbb{R}) \times \nu(K)))$ to $T(\mathbb{Q}) \setminus T(\mathbb{R}) \times T(\mathbb{A}_f) / (T(\mathbb{R}) \times \nu(K))$.

Page 63, line -6 : Change $B \otimes_{\mathbb{Q}} F = \prod_v B \otimes_{F, v} \mathbb{R}$ to $B \otimes_{\mathbb{Q}} \mathbb{R} = \prod_v B \otimes_{F, v} \mathbb{R}$.

Page 64, line 4 : Change $[\cdots B \otimes_{F, v} \mathbb{R} \text{ is split}]$ to $[\cdots B \otimes_{F, v} \mathbb{R} \text{ is not split}]$.

Page 64, Example 5.25 : Change $[\text{The can be } \cdots]$ to $[\text{This can be } \cdots]$.

Page 65, line -6 : Change $S_{K'} \rightarrow S_K$ to $S_K \rightarrow S_{K'}$.

Page 68, line 12 : Change $[\cdots \text{ some } \nu(g) \in k^\times]$ to $[\cdots \text{ for some } \nu(g) \in k^\times]$.

Page 70, line -3 : Change t' to s' .

Page 70, line -1 : Change $(ah, a \circ \eta) = (a'h, a' \circ \eta' \circ k)$ to $(ah, a \circ \eta) = (a'h', a' \circ \eta' \circ k)$.

Page 71, line -6 : Change $H^n(M, Z)$ to $H^n(M, \mathbb{Z})$.

Page 85, line -3 : Change $[\text{The proof for } (B, *) \cdots]$ to $[\text{The proof for } (B, *) \text{ of type (C) } \cdots]$.

Page 86, line -13 : Change $[F_0 : k] = g$ to $[F_0 : \mathbb{Q}] = g$.

Page 97, line -6 : Change $T_f \otimes_{\mathbb{Z}} \mathbb{Q}$ to $T_f A \otimes_{\mathbb{Z}} \mathbb{Q}$.

Page 100, line -16 : Change $\mathbb{C}^\Phi / \Lambda \xrightarrow{N} \mathbb{C}^\Phi / N\Lambda \leftarrow \mathbb{C}^\Phi / \Phi(\mathcal{O}_E)$ to $\mathbb{C}^\Phi / \Lambda \xrightarrow{N} \mathbb{C}^\Phi / N\Lambda \rightarrow \mathbb{C}^\Phi / \Phi(\mathcal{O}_E)$.

Page 110, line 5 : Change (G, X^+) to (G', X^+) .

Page 113, line -13 : Change $h(\mathbb{C}^\times)$ to $h_x(\mathbb{C}^\times)$.

Page 114, line 17 : Change $r_x(a) = \sum_{\rho: E \rightarrow \mathbb{Q}^a} \rho(\mu_x(a_f))$ to $r_x(a) = \sum_{\rho: E(x) \rightarrow \mathbb{Q}^a} \rho(\mu_x(a_f))$.

Page 115, line 20 : Change $\text{Gal}(\mathbb{Q}^a / \mathbb{Q})$ to $\text{Gal}(\mathbb{Q}^a / E)$.

Page 117, line -5 : Change $h_x(\mathbb{C})$ to $h_x(\mathbb{C}^\times)$.

Page 118, line 13 : Change $G(\mathbb{Q}) \setminus X \times (G(\mathbb{A}_f) / K)$ to $G(\mathbb{Q}) \setminus X \times G(\mathbb{A}_f) / K$.

Page 132, line 2 : Change $D_{n, i}$ to $D_{i, n}$.

Page 133, line 7 : Change $\sum(\text{AV}(\mathbb{F}_q))$ to $\sum(\text{AV}^0(\mathbb{F}_q))$.

Page 134, line 16 : Change $\text{End}(V_\chi) \approx F(\chi)$ to $\text{End}(V_{\Gamma\chi}) \approx F(\chi)$.

Page 135, line 8 : Change $g \in T(F^a)$ to $g \in G(F^a)$.