## ERRATUM TO "ALMOST UNRAMIFIED AUTOMORPHIC REPRESENTATIONS FOR SPLIT GROUPS OVER $F_a(t)$ "

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I thank Chris Jantzen for bringing to my notice an error in the statement of [1, Theorem 9] and showing me the necessary correction. The error arises due to a missing sign factor in the statement of Proposition 13 in [2], on which the proof was based. As a consequence, the statement of Theorem 10 in [1] also needs to be corrected (see below).

We use the notation of [1]. For an element  $u \in q^{\mathbf{Z}}$  set

$$\operatorname{sgn}(u) = (-1)^{\log_q u}.$$

Let  $\epsilon$  be the character of T(F) defined by  $\epsilon(t) = \operatorname{sgn}(\delta_B(t))$ . Here  $\delta_B$  denotes the modular function of B(F). Note that  $\epsilon$  is invariant under the action of the Weyl group W on T.

For an irreducible *H*-module  $(\pi, V)$ , let  $(r(\pi), U)$  denote the *R*-module that is obtained by taking the T(O)-invariants of the normalized Jacquet module of the irreducible representation of G(F) whose *I* invariants form  $(\pi, V)$ . Then,

$$r(\pi \circ \iota) \cong \epsilon r(\pi) \circ \operatorname{Int}(w_0),$$

where  $\operatorname{Int}(w_0)$  is the involution on R induced by conjugation by  $w_0$  on T. This is Proposition 13 of [2], except for the term  $\epsilon$ , which is the correction. In particular, the term  $\operatorname{sgn} \circ \rho^{-2}(t)$ , where  $\rho$  denotes the positive square root of  $\delta_B$ , is set to equal 1 in [2]. It is actually  $\epsilon(t)$ . With this correction, the original proof stands. As a result, it is necessary to correct Theorem 9 in [1]. The corrected version is:

**Theorem 1.** Let  $(\pi, V) \in \hat{H}$ . Let  $s \in \hat{T}/W$  correspond to the central character of  $(\pi, V)$ . Then the central character of  $(\pi \circ \iota, V)$  corresponds to  $\epsilon s$ .

The proof remains unchanged, but must take into account the character  $\epsilon$ . As a consequence, in Theorem 10,  $s(\pi)$  should be replaced by  $\epsilon s(\pi)$ .

## References

- [1] Amritanshu Prasad. Almost unramified automorphic representations for split groups over  $\mathbf{F}_q(t)$ . J. Algebra, 262(1):253–261, 2003.
- [2] François Rodier. Sur les représentations non ramifiées des groupes réductifs p-adiques; l'exemple de GSp(4). Bull. Soc. Math. France, 116(1):15–42, 1988.