

ERRATUM
BOOK REVIEW

Errata to the Review by Michael Harris (Bull. Amer. Math. Soc. (N.S.) **25** (1) (1991), 184–195) of *Holomorphic Hilbert modular forms*, by Paul Garrett.

In my review of Garrett’s book, Langlands’s reciprocity conjectures were inadvertently misstated; it was asserted that they “predict a one-to-one correspondence between cuspidal automorphic representations of $\mathrm{GL}(2, F)$ and irreducible compatible systems of two-dimensional λ -adic representations of $\mathrm{Gal}(\overline{F}/F)$ (more generally, of the Weil group of F).” This is of course only valid for a restricted class of cuspidal automorphic representations, those with algebraic infinitesimal parameter; the holomorphic Hilbert modular forms of Garrett’s title are all of this type. The correct statement of Langlands’s conjectures involves the Langlands group, whose existence remains conjectural, rather than the Weil group. The hypothetical construction of the Langlands group involves an extended detour through the theory of Tannakian categories and a discussion of automorphic representations of $\mathrm{GL}(n)$ for all n ; for this reason it will not be given here.

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