

Addendum to ‘*Galois representations on holomorphic differentials*’.

In section §2 of [3] we presented a proof, in a modern algebraic geometry style, of a multiplicity formula originally due to C. Chevalley and A. Weil [1] (see also A. Weil [4]). Unknown to us at the time, a proof very similar to ours had already been obtained in [2]§3, as a particular case of a more general result.

We are grateful to Professor B. Erez for having brought this latter reference to our attention.

REFERENCES

- [1] C. Chevalley and A. Weil: *Über des Verhalten der Integrale ersten Gattung bei Automorphismen des Funktionenkörperd*, Abh. math.Sem. Univ. Hamburg **10** (1934), 358-361.
- [2] G. Ellingsrud and K. Lønsted: *An equivariant Lefschetz formula for finite reductive groups*, Math. Ann. **251**, 253-261 (1980).
- [3] J.F. Glazebrook, D.R. Grayson and P.R. Hewitt: *Galois representations on holomorphic differentials*, Commun. in Algebra **19** (5), 1375-1386 (1991).
- [4] A. Weil: *Über Matrizenringe auf Riemannschen Flächen und den Riemann-Rochschen Sat*, Abh. math. Sem. Univ. Hamburg **11** (1936) 110-115.