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CORRECTIONS AND SUPPLEMENTS TO
**“ON THE SCHUR INDICES OF THE FINITE
UNITARY GROUPS”**

ZYOZYU OHMORI

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Except in the statement of Theorems A and C of [1] Q must be everywhere replaced by the l -adic number field Q_l , where l is any rational prime different from p . In fact, Lemma 3.1 of [1] holds only for Q_l (see [2]) so that the argument in the proof of Theorem B holds only for Q_l . Thus the statement of Main Theorem of [1] must be read:

Main Theorem. *Assume that p and q are sufficiently large. Then, for any rational prime l different from p , the Schur index of any complex irreducible character of $U(n, q^2)$ over Q_l is 1.*

In [2], the rational Schur indices of the complex irreducible characters of $U(2, q^2)$ and $U(3, q^2)$ are determined for any p and any q , and some general results on the Schur indices of $U(n, q^2)$ for $n > 3$ are also obtained.

References

- [1] Z. Ohmori: *On the Schur indices of the finite unitary groups*, Osaka J. Math. 15 (1978), 359–363.
- [2] ———: *On the Schur indices of reductive groups* II, to appear in Quarterly J. Math. Oxford (2).

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