

Erratum to “Orbit sizes, character degrees and
Sylow subgroups”

by

Alexander Moretó

Departament d'Àlgebra

Universitat de València

46100 Burjassot. València SPAIN

E-mail: mtbmoqua@lg.ehu.es

and

Thomas R. Wolf

Department of Mathematics

Ohio University

Athens OH 45701 USA

E-mail: wolf@ohiou.edu

The last two sentences of Corollary 2.6 of [2] should read that if $|GV|$ is odd, then there exist u and v in V such that $\mathbf{C}_G(u) \cap \mathbf{C}_G(v) = 1$. In particular there is x in V with $|\mathbf{C}_G(x)| \leq |G|^{1/2}$.

Here V is a faithful completely reducible G -module. The paper incorrectly states the result for $|G|$ odd, but the proof given requires also that $|V|$ is odd.

However, S. Dolfi [1] has submitted a paper where he proves this conclusion holds under the weaker assumption that just $|G|$ is odd.

References

- [1] S. Dolfi, Intersections of odd order Hall subgroups, *Bull. London Math. Soc.*, submitted.
- [2] A. Moretó, T. R. Wolf, Orbit sizes, character degrees and Sylow subgroups, *Adv. in Math.*, to appear.