Correction to the paper
“Invariants of groups generated by reflections or transvections”

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By

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I am much indebted to V. L. Popov for pointing out to me that in the last sentence of p. 11 there is a serious gap in the argument. This sentence is:

“Then applying Lemma 2 to this equation we obtain a further polynomial equation in T with coefficients in A and not all 0.”

When the group G is finite the fault is easily repaired; for the offending sentence substitute:

“Then applying Lemma 2 to this equation we obtain a further polynomial equation in T with coefficients in S^G and not all 0. Averaging over G shows that the coefficients in fact lie in A .”

With this correction we have a very direct and elementary proof of Chevalley's theorem. (There is also a slight misprint in the fourth line of the proof of Lemma 2: for $P_i \neq P_j$ read $P_i^f \neq P_j$.)

When G is infinite the theorem is in fact false, as A. E. Zalesskii has recently demonstrated by means of an ingenious counterexample, to be published in this journal.

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