

## ERRATA, VOLUME 24

O. C. HAZLETT, *A symbolic theory of formal modular covariants.*

Page 299, THEOREM III. The proof given is evidently incorrect, inasmuch as a polynomial in the differences of the ratios  $\alpha_2/\alpha_1$ ,  $\beta_2/\beta_1$ , etc. is not necessarily a polynomial in the symbolic invariants  $\alpha_1\beta_2 - \alpha_2\beta_1$ ,  $\alpha_1\gamma_2 - \alpha_2\gamma_1$ , etc. On the other hand, Corollary 1 of Theorem III follows at once from Lemma V. For any isobaric formal modular invariant  $M$  of a system of forms  $S$  which is of degree  $d_i$  in the coefficients of  $f_i$  and of weight  $w$  is identically congruent, modulo  $p$ , to  $a_0^{d_1}$  multiplied by a linear combination,  $K$ , of products of the differences of the type  $(\beta_2/\beta_1) - (\alpha_2/\alpha_1)$ , where the  $\alpha$ 's and  $\beta$ 's may be symbols arising from the same form or may be symbols arising from different forms; moreover,  $K$  is homogeneous in the symbols for each form,  $f_i$ , and such that each ratio  $\alpha_2/\alpha_1$  for this form occurs in exactly  $d_i$  factors in each product, and, finally,  $K$  is symmetric, modulo  $p$ , in these symbols for each form  $f_i$ . Hence, by a well known result of classic invariant theory, any isobaric formal modular invariant of  $S$  is congruent, modulo  $p$ , to an algebraic invariant,  $A$ , of  $S$ , although  $A$  is not necessarily rational and integral. Then Theorem III follows from Corollary 1, since any algebraic invariant is expressible as a polynomial in the symbolic invariants  $\alpha_1\beta_2 - \alpha_2\beta_1$ , etc.

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## ERRATA, VOLUME 30

C. R. ADAMS, *On the irregular cases of the linear ordinary difference equation.*

Page 526, equation (33). The minus sign between the two fractions should be a multiplication sign.

Page 527, equations (34). The superscript of all the  $\gamma$ 's in these equations should be  $(n-1)$ .

Page 537. In the display six lines from the bottom of the page,  $\gamma_1^{(n-2)}$  should be  $\gamma_i^{(n-2)}$ .