Pacific Journal of Mathematics

CORRECTIONS TO: "AUTOMORPHISMS DEFINABLE BY FORMULAS"

JOHN GRANT

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ERRATA

Corrections to

AUTOMORPHISMS DEFINABLE BY FORMULAS

JOHN GRANT

Volume 44 (1973), 107–115

Professor M. Ziegler showed in [2] the existence of several errors in [1]. The corrected versions follow.

THEOREM 1. (Page 109) If $\bar{\bar{\mu}} < \omega$ *and* $\mathfrak{A} \equiv \mathfrak{B}$ *then* $\mathscr{H}(\mathfrak{A})$ *is universally equivalent to* $\mathscr{H}(\mathfrak{B})$.

THEOREM 2. (Page 109) *If* $\bar{\bar{\mu}} < \omega$ *and* $\mathfrak{A}$ *is elementarily embeddable in* $\mathfrak{B}$ *then* $\mathscr{H}(\mathfrak{A})$ *is universally embeddable in* $\mathscr{H}(\mathfrak{B})$.

Omit the sentence after Theorem 2.

In Example 3 (Page 110) the last phrase should be "$\mathscr{H}(\mathfrak{S})$ is universally equivalent to $(\mathscr{M})$". Similarly in Example 4 (Page 110) the last phrase should be "$\mathscr{H}(\mathfrak{B}_p)$ is universally equivalent to $\mathscr{C}$".

Statement (2) (Page 112) should be

(2) $\bar{\bar{\mu}} < \alpha$ and $\mathfrak{A} \equiv_{\alpha\alpha} \mathfrak{B}$ then $\mathscr{H}_{\alpha\alpha}(\mathfrak{A})$ is universally

$\alpha\alpha$-equivalent to $\mathscr{H}_{\alpha\alpha}(\mathfrak{B})$.

The conclusions of the results stated in the paper may be obtained under stronger hypotheses. For example:

If $\bar{\bar{\mu}} < \omega$ and $A \equiv_{\omega_1\omega} B$ then $\mathscr{H}(\mathfrak{A}) \equiv \mathscr{H}(\mathfrak{B})$.

REFERENCES

1. J. Grant, *Automorphisms definable by formulas*, this Journal **44** (1973), 107–115.
2. M. Ziegler, *A counterexample in the theory of definable automorphisms*, to appear in this Journal.

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