

Pacific Journal of Mathematics

**CORRECTIONS TO: "AUTOMORPHISMS DEFINABLE BY
FORMULAS"**

JOHN GRANT

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 $\bar{\mu} < \omega$ and $\mathfrak{A} \equiv \mathfrak{B}$ then $\mathcal{H}(\mathfrak{A})$ is universally equivalent to $\mathcal{H}(\mathfrak{B})$.

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

Omit the sentence after Theorem 2.

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

Statement (2) (Page 112) should be

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

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

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

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

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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