

Page 420, line 27: Omit “ $=H \times I$.”

Page 420, line 29: Replace “ H ” by “ $M(I, G)$.”

Pages 421, 422: The modifications in the proof of Theorem 1, due to the above, will be clear.

Page 425, line 13: Insert between “(” and “see”: “ $H = (\beta \in M(I, G): (\beta, a) \in W \text{ for some } a \in I)$.”

*University of West Virginia,
Morgantown, West Virginia*

THE ISOMORPHISM OF CERTAIN CONTINUOUS RINGS*: CORRIGENDUM AND ADDENDUM

BRIAN P. DAWKINS AND ISRAEL HALPERIN

1. Page 1337, line 6: $v_{i,n-2}$ should be $v_{i,2n-2}$.
2. Page 1339, line 21: $\psi(u_{2n-1} v_{2n-1})$ should be $\psi(v_{2n-1} u_{2n-1})$.
3. Page 1340, line 13: $\cup_{A \in \mathfrak{A}} A(\mu)$ should be $\{A(\mu) \mid A \in \mathfrak{A}\}$.
4. Page 1341, line 10 should read: “when all v_{2n+1} ’ and all v_j^{n+1} are replaced by 1.”
5. Page 1341. Lemma 5 holds with hypothesis (i) omitted and even if the ring D fails to be a division ring (but U and V are required to be division rings). Moreover, Lemma 5 is an easy corollary of Lemma 1; to see this, observe first that (ii) of Lemma 5 implies

(ii)’ $\sum_{i=1}^N u_i v_i = 0$, $u_i \in U$, $v_i \in V$, and v_1, \dots, v_N Z -independent, together imply all $u_i = 0$.

(To deduce (ii)’), write

$$u_i = \sum_{j=1}^r w_j z_{ji}$$

with all $z_{ji} \in Z$ and w_1, \dots, w_r all in U and Z -independent.) Next, to prove Lemma 5 it suffices to consider the case that v_1, \dots, v_N are Z -independent; hence because of (ii)’ it can be assumed that all $v_i = 1$, i.e., that

$$\sum_{i=1}^N u_i x u_i^2 = 0$$

for all $x \in U$. Lemma 1 now applies.

*Carleton University and
University of Toronto*

Received June 2, 1967.

*Published in Can. J. Math., 18 (1966), 1333–1344.