A CORRECTION TO "AREN S REGULARITY
AND THE ALGEBRA OF DOUBLE MULTIPLIERS"

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Let $M$ and $M'$ be as given in Theorems 3.2 and 3.2' in [1]. Then Theorem 4.2 in [1] should read as follows.

THEOREM 4.2. Let $A$ be a semisimple w.c.c. Banach algebra with a bounded approximate identity. Let $E$ be an element of $A^{**}$ which is both a left identity for $(A^{**}, o')$ and a right identity for $(A^{**}, o)$. Then, as algebras, $M = M'$ if and only if $S(E) = T(E)$ for all $(S, T) \in M(A)$.

PROOF. Suppose that, as algebras, $M = M'$. By Corollary 3.3, $R_1^{**} = R_2^{**}$ and, by Lemma 4.1, for every $(S, T) \in M(A)$ we have $S(E) = T(E) + G$, where $S(E) \in M'$, $T(E) \in M$ and $G \in R_1^{**}$. Since $M = M'$, $G \in M \cap R_1^{**} = (0)$. Hence $S(E) = T(E)$ for all $(S, T) \in M(A)$. For the converse see the second half of the proof of [1, Theorem 4.2, p. 297]. Eliminate the last two sentences on p. 297.

REFERENCES


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