manuscripta math. 32, 211 (1980)

manuscripta mathematica

Erratum to

DERIVATION ALGEBRAS OF JB-ALGEBRAS

manuscripta math. 30, 199-214 (1979)

Harald Upmeier

The proof of Th. 1.5 for the case of JBW-algebras X of type I_2 has to be slightly modified. As pointed out by P.J. Stacey [2] X is a direct product of algebras $U \approx L^\infty(S,\mu; V_k)$, where S is a Stone space supporting a normal positive measure μ and $V_k = \mathbb{R} \oplus Y_k$ is the real spin factor of Hilbert dimension $k+1$. If $3 \leq k < \infty$ the given proof (case 2) applies to $U \approx C(S,V_k)$. If k is infinite (case 3) consider the real W^*-algebra tensor product $A := L^\infty(S,\mu; \mathbb{R}) \bar{\otimes} L(Y_k)$. Then $a := \mathrm{aut}(U) \approx \{ D \in A : D^* = -D \}$. Since $A \approx A \bar{\otimes} L(Y_j)$ whenever $1 \leq j \leq \aleph_0$, it follows from [1; p. 512] and Lemma 1.4.i that $a = [a,a]$. Further, 1.4.ii implies $\mathrm{center}(a) = 0$.

[1] Saitô, T.: Generation of von Neumann algebras. In: Lect. Notes in Math. 247. Berlin-Heidelberg-New York: Springer 1972

[2] Stacey, P.J.: Type I_2 JBW-algebras. Preprint La Trobe University 1980.

H. Upmeier
Mathematisches Institut
Universität Tübingen
Auf der Morgenstelle 10
D-7400 Tübingen
Bundesrepublik Deutschland

(Received August 28, 1979)

0025-2611/80/0032/0211/$01.00