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Erratum/Addendum to the paper "Some seminorms on quasi *-algebras"

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by

Camillo Trapani (Palermo)

In the paper cited in the title the definition of *quasi *-algebra* was given in the following terms:

Let $\mathfrak{A}$ be a linear space and $\mathfrak{A}_0$ a *-algebra contained in $\mathfrak{A}$. We say that $\mathfrak{A}$ is a quasi *-algebra with distinguished *-algebra $\mathfrak{A}_0$ (or, simply, over $\mathfrak{A}_0$) if:

(i) the right and left multiplications of an element of $\mathfrak{A}$ by an element of $\mathfrak{A}_0$ are always defined and linear;

(ii) an involution * (which extends the involution of $\mathfrak{A}_0$) is defined in $\mathfrak{A}$ with the property $(AB)^* = B^*A^*$ whenever the multiplication is defined.

This is the original definition due to Lassner (see ref. [9] of the paper). In the paper, however, a stronger definition has been used, without mentioning this fact. Actually, item (i) of the above definition should be replaced with the following one:

(i) the right and left multiplications of an element of $\mathfrak{A}$ by an element of $\mathfrak{A}_0$ are always defined and linear; moreover

$$A(BC) = (AB)C, \quad (AC)B = A(CB), \quad \forall A, B \in \mathfrak{A}_0, C \in \mathfrak{A}.$$

The above forms of the associative law imply that $\mathfrak{A}$ is an $\mathfrak{A}_0$-bimodule, in accordance with the definition of quasi *-algebra given by K. Schmüdgen in his book *Unbounded Operator Algebras and Representation Theory*, Birkhäuser, Basel, 1990.

Dipartimento di Matematica e Applicazioni
Università di Palermo
I-90123 Palermo, Italy
E-mail: trapani@unipa.it

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