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On the extension of orders in ordered modules: Corrigenda

P. Ribenboim

The author has noticed a faulty argument in his paper [1]; it occurs on p. 85 and requires the following changes:

At the end of line 9, for $(Q_i)_{i=1,2,\ldots}$ read $(Q_i)_{i \in I}$;

in line 10, the equation should read $Q = \bigcup_{i \in I} Q_i$;

lines 15 to 20 should be replaced by the following:

then there exists some n-tuple $\delta = (\delta_1, \ldots, \delta_n)$ such that for every i_0 there exists $i \geq i_0$ with $\varepsilon^i = \delta$. Then $\delta_1 a_1, \ldots, \delta_n a_n$ are positively independent over Q ; for if $r_j \in P_R$ and $\sum_{j=1}^{n} r_j \delta_j a_j \in Q$ then there exists i_0 such that $\sum_{j=1}^{n} r_j \delta_j a_j \in Q_{i_0}$, and for appropriate $i \geq i_0$ it follows that $r_j = 0$ for $j = 1, \ldots, n$.

Reference

[1] P. Ribenboim, "On the extension of orders in ordered modules", *Bull. Austral. Math. Soc.* 2 (1970), 81-88.

Queen's University,
Kingston, Ontario.

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