Pacific Journal of Mathematics

CORRECTION TO: EGGERT'S CONJECTURE ON THE DIMENSIONS OF NILPOTENT ALGEBRAS

LAKHDAR HAMMOUDI

Volume 220 No. 1

May 2005

CORRECTION TO: EGGERT'S CONJECTURE ON THE DIMENSIONS OF NILPOTENT ALGEBRAS

LAKHDAR HAMMOUDI

Volume 202:1 (2002), 93–97

The author acknowledges that the Theorem in the paper in question does not solve Eggert's conjecture completely, because it uses the fact that $R \cap (A \oplus \mathbb{K}) = \{0\}$. Indeed, in the proof of the Theorem (page 96, lines 19 to 24), we assume that the unions in lines 17 and 18 are disjoint. If we add this hypothesis to the Theorem, which is fulfilled by graded algebras for example, the result is correct.

Therefore, the proof of the Theorem yields only a particular case of Eggert's conjecture. Eggert's conjecture in general remains open.

The author thanks Professors B. Amberg and L. Kazarin for pointing out the mistake and for the valuable discussions.

Received September 9, 2004.

LAKHDAR HAMMOUDI DEPARTMENT OF MATHEMATICS OHIO UNIVERSITY-CHILLICOTHE 101 UNIVERSITY DRIVE CHILLICOTHE, OH 45601 UNITED STATES hammoudi@ohio.edu