CORRECTION TO "ON THE GROWTH OF ALGEBRAS WITH BIALGEBRA ACTION"

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Victor Petrogradsky has pointed out to me that my assertion in the last paragraph of p. 87 of [1], that for associative algebras, the upper and lower BK dimensions coincide, is incorrect. Thus, the sentence in that paragraph beginning "One can in fact prove..." should be shortened to "More precisely, we will call this the upper BK dimension, and the corresponding lim inf the lower BK dimension."

Petrogradsky also points out that what I call in that section of [1] the GK and BK dimensions of an algebra are the second and third terms in an infinite hierarchy which he develops in [2] (the first term being the vector-space dimension of a finite-dimensional algebra).

References

[1] George M. Bergman, *On the growth of algebras with bialgebra action,* Israel Journal of Mathematics **96** (1996), 63–96.

[2] Victor M. Petrogradsky, *Intermediate growth in Lie algebras and their enveloping algebras,* Journal of Algebra **179** (1996), 459–482.