



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_12652
Title of the Manuscript:	Note on algebras that are sums of two subalgebras satisfying polynomial identities
Type of the Article	Original research paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	P100, l+5: We study an associative algebra A over an arbitrary field, that is... Here you need the comma, it is not the field that is a sum. P100, l+14: intntroduction should be introduction P101, l+13: I don't believe that the statements following from this line is true for all classes of algebras. I believe them for the particular listed algebras, and so it should be written "Let us consider two arbitrary classes of the above classes of algebras..." P101, l+16: The sentence "Certainly, every subalgebra of ... belongs to HCF" should be placed after the comment on associativity of the letters. I suggest: "By Adrunakievichs lemma, ... , for arbitrary classes R and S of the above. Certainly, every..." P102, l+4: "Given a PI ring H, let... " P102, l+5: The "clearly" is not very clear. I should be: "Because H is a PI ring, it can be proved that $a \in W(H)$ if and only if..." P102, l-1: and number $A/(B_0+C_0)$ is the smallest one: Do you mean the smallest possible one, or the smallest of some other things? P106, l-6: polinomial should be polynomial	The statements are true since $S \in \mathcal{S}$ and $T \in \mathcal{T}$. Since the characterization of $W(H)$ is not used in fact in the paper, I have removed the sentence.



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Minor REVISION comments	P100,l+6: Write: We prove that B has a nil ideal of bounded index, and that... P100,l-1: Write: and algebras that have nil ideals of bounded index and finite codimension (called almost nil... P101,l+10: It should most probably be: If I is a two-sided ideal (left ideal, right ideal) of... P101,l+12: In English, one uses comma before the last and in listings: ...PI-algebras, and commutative... P101,l+14: I would be more comfortable if you change "Obviously" to "We see that". This is not obvious for me. P101,l+23: A theorem should contain the assumptions: "Theorem 2.1. Assume $A=B+C$ with $B \in \mathcal{BF}$..." P101,l+24: "The proof will be given in Section 4" P102,l+23: "It is not hard to check that $S^{\ast}[S,S]$...": If it is not hard, it would be nice if you could write it down. P103,l+11: "... and A is a HCF-counter example, $I \cap J=0$." P103,l+15:" In the proof of Theorem 2.1 we shall use the following results from [6] and [10] respectively:" P103,l-1: "...remain true if in the definitions of the classes B,C, and H, the algebras are..." P105, l+1 " We are now in position,..." P105,l+3: "Moreover, if $B_0 \in B$ and $C_0 \in C$, and $\dim$..." P105,l+12: Shouldn't it be "$aA \in \beta(A)$"?	
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<u>Optional/General</u> comments	Consider to use either nil or nilpotent (one of them) throughout? When you cite results from other sources, consider to write the reference before the result, e.g. "We have the following from A. Mekey in [12]: Lemma 3.1. Let..." In general: I find the article very nice! This is high quality work, and in an interesting and important field. I hope that the correction of the misspellings can make its impression even better.	
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