



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_28879
Title of the Manuscript:	Square-Normal Operator
Type of the Article	Original Research Article

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.

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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	This article cannot be published as it is. The proof of the main result (Theorem 3) is incomplete and might be wrong. The other (correct) results follow in two lines from theorems proved by some other authors. Here are the main required corrections and improvements. P.2, Example 1: please verify once more the calculations of AA^* . P.4: deducing relations (1) and (2) from the previous one is not clear. For numbers or operators, $T + S = P + Q$ does not imply, in general, $(T = Q \text{ and } S = P)$ or $(T = P \text{ and } S = Q)$. For the same reason, deducing relations (7) and (8) is not clear. P.5, the last two lines: for operators, $BC = BB$ does not imply, in general, $B = C$. This might be true only if an additional assumption on A holds. The English of the statement of Theorem 8 is not clear. P.7, three lines before References: "...by Corollary 1 we see".	At the beginning: in Example 1 I verified calculations of AA^* . About deducing relations (1) and (2), the results are correct but I used wrong way. Now I use correct way. I rewrite the statement of Theorem 8 to be clear.
Minor REVISION comments	P.1: "...the spectrum of A . A is said to be normal..." (in English the phrases must be short). P.1: "nonnegative definite" or "nonnegative defined"? (delete "s" from "definites"). In several places the author must replace "squar-normal" by "square-normal". In Corollary 1, write correctly "either". P.4, row 2: write A^{*2} instead of a^{*2} .	Changed
Optional/General comments	The graphical presentation of the paper is very good.	