

**ReviewForm1.7**

Journal Name:	<b>Asian Journal of Research in Computer Science</b>
Manuscript Number:	<b>Ms_AJRCOS_112734</b>
Title of the Manuscript:	<b>Computing the minimum polynomial, the function and the Drazin inverse of a matrix with Matlab</b>
Type of the Article	<b>Minireview Article</b>

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>1. Yes.</p> <p>2. Yes.</p> <p>3. Yes.</p> <p>4. Yes.</p> <p>5. Yes.</p> <p>6. Fine.</p>	

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Minor REVISION comments

### 1. Is language/English quality of the article suitable for scholarly communications?

This article was written for undergraduates. More rigorous treatment can be found in the reference [6]. With a course on Linear Algebra, a strong student should be able to follow the flow of the article and get a sense of the minimum polynomial of a matrix, the function of a matrix, and the Drazin inverse of a matrix. Most importantly, the author presented the efficient MATLAB functions for their computation. This article is well suitable for both undergraduates and beginning postgraduates as extensive reading material to expand their knowledge of linear algebra.

A careful reading of this manuscript reveals that the author may need to improve the language a little bit. Here is a partial list.

- 1) Line -15 of page 1: "arise" à "arises".
- 2) Line -12 of page 1: "need" à "needs".
- 3) Line -9 of page 1: "Let ... "be" ... ". The "be" is missing here.
- 4) Line -2 of page 1: the first "That means ... and" can be removed since the next line is trivial from the given conditions.
- 5) Lines 1-2 of page 2: I do not know what you want to say in the first sentence. Indeed, we have  $v(x)=x^n$  for  $0 \leq n < q$ . Thus,  $v(A)=A^n$  for  $0 \leq q < n$ .
- 6) Line 10 of page 2: "look" à "look at".
- 7) Line 11 of page 2: "not distinct" is not proper.
- 8) Line 13 of page 2: "equal to" à "is no more than q-1. "has only q-1 roots" à "v(x) has no more than q-1 roots".
- 9) Line 21 of page 2: "Let ... matrix of numbers A" à "Given a ... matrix A".
- 10) Line 1 of page 3: "Where this code from?" à "Where does this code come from?".
- 11) Line 3 of page 3: "polynomials which are such that ..." à "polynomials p(x)

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	<p>suchthat ...".            12)Line -2 of page 3: "be" is missing prior to "the minimum".            13)Line1 of page 4" "contain" à "contains".            14)Line10ofpage4:"seethatinmanycases..." à "seethatinmanycasethe function minimumpoly...".            15)Line 15 of page 5: "Let qthe degree..." à "Let q bethe degree...".            16)Theorem3ofpage6:"Letamatrix..." à "Givenamatrix...andlet...bethe elements...".Notethat the "be" is missing here.            17)Inthe proofo Theorem 3.2 on page 6: "remark 3.2" à "remark 3.4".            18)Line-11ofpage6:"let...thepolynomialsthatatisfies..." à "let...bethe polynomialsthatatisfy...".</p> <p>There are many more "bad' sentences.Itneedsto gothrough another iterate.</p>	
<p><b><u>Optional/General</u></b>comments</p>	<p>Refer tothe afore-mentioned comments.</p>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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