



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_8874
Title of the Manuscript:	CHEBYSHEV POLYNOMIAL SOLUTIONS OF TWELFTH-ORDER BOUNDARY-VALUE PROBLEMS
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.

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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	The work under review studies the behavior of Chebychev method when dealing with boundary value problems of twelfth order. After some details on the construction and properties of Chebychev's polynomials, the authors state the form of the proximate solution of such a problem as a linear combination of some Chebychev polynomials. Both linear and non-linear boundary value problems are studied. The algorithm is efficient, reducing the research of the proximate solution to the computation of some system. Moreover, the comparison with other methods shows the maximum absolute errors for some examples show this method is appropriate for certain situations. I would make minor changes to the work: - First, I will change the title, in coherence with the incoming notation. In the title it is written "Chebyshev" whether in the whole work, it is written "Chebychev".	Is made Is made



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	- Please, pay attention to some language misprints in the introduction. - Page 2: write Chebychev instead of Chebchev. - What is the tilde after the sum symbol? It is written through the work. - Page 4. I would say that the coefficient a_r appearing in line -4 is a^{*}_r instead. Please check. - page 8. Example 3. After the boundary condition at 1, I would write $k=0...5$ instead of what it appears there. I would add to the references the following: S.S. Siddique and Ghazala Akram, Solutions of twelfth-order boundry value problems Using non-polynomial spline technique. <i>Appl. Math. Comput.</i>, (2008): 559-571.	Is adding, where summation symbol with single prime denotes a sum with first term halved. Change change is made, became Ref [9]
<u>Optional/General</u> comments		