



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_23243
Title of the Manuscript:	High Order Diminution of LTI System using Stability Equation method
Type of the Article	Original Research Articles

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

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		
Minor REVISION comments	1. The abstract can be reframed thus: In this paper, a high-order transfer function is reduced by the stability equation method. The reduced order model is based on pole zero patterns. The stability equation method in comparison to other methods in literature performs better. The analysis is based on the setting time, rise time and overshoot observations of the reduced and original systems. In The Introduction Section: 2. The second sentence in line 1 of the introduction should read 'Method of Reduction (MOR) is used...' 3. Line 4 'using mathematical approaches' not 'using mathematically approaches' Line 6 should begin with: 'method for MOR of the systems has been proposed in' not 'method of MOR of the systems have been proposed' Line 11 should begin 'in literature where the numerator and denominator' not 'in literature where in numerator and denominator'	1. Text have been corrected in abstract. 2. It is corrected as Model order reduction (MOR) on the same place. 3. It have been corrected as "mathematical approaches". 4. "method for MOR of the systems has been proposed in" included in the text. 5. The sentence in line 11 is corrected as per suggestion.
Optional/General comments	The software used for the plotting of the figures should be mentioned in the paper.	The software and the computer configuration are mentioned in section 3.1.3.