

Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_94400
Title of the Manuscript:	Extended Local Convergence for the Chebyshev Method under the Majorant Condition
Type of the Article	Short 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:

<https://www.journalarjom.com/index.php/ARJOM/editorial-policy>)

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	<p>Recently there has been an increase in the study of high convergence order iterative methods for solving nonlinear equations defined on abstract spaces. The Chebyshev method is one such method of convergence order three.</p> <p>But the convergence region in both the local and semilocal convergence is small restricting their applicability. The authors have developed a technique that if used extends the convergence region, provides more precise error distances and also a better information on the location of the solution. These extensions become possible without additional conditions and under weaker the same or weaker conditions that in earlier papers. The main idea is the introduction of the center Lipschitz condition that allows the determination of a more precise region where the iterates are located. Hence the majorant functions are tighter. We noticed that this approach does not take into account the method itself. Hence, authors can use the same technique to obtain the same benefits on other iterative methods using inverses of linear operators.</p> <p>The paper is well written and structured</p> <p>Accept as it is</p>	
<u>Optional/General</u> comments		

PART 2:

	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>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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