

Review Form 1.7

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_120006
Title of the Manuscript:	Influence of Crack Inclination Angle and Thickness on Mode-Mixity using FEM
Type of the Article	

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The manuscript can be of interest for the people working in the field</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No. The references can be updated. In addition, it is necessary to write the references in the order of appearance in the text</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>References in the introduction section start with number 25, and they follow with number 23. There isn't an ordered sequence in the introduction until later, although the numbers in the reference section are placed in an orderly manner. Most of the references are not updated.</p> <p>Figure 3 description is missing in the first paragraph of the materials and methodology section, although the image is found in the right place of the manuscript.</p> <p>In the 3.1 validation section, I assume the number 1 is missing in the text, i.e., pure mode (I) occurs.</p> <p>The acronym LEFM is not described in the text</p> <p>Can the authors explain how KIII is integrated in the material strength ratio for the mode mixity I/III?</p> <p>In Figure 5, what do the slopes observed in the plots represent? Although there is a general tendency on the behaviour of the different intensity factors, there is a subtle change in slope between different angles.</p> <p>In addition, it seems that the thickness of the sample does not play a critical role in the stress intensity factor, although it always showed a small decrement as the thickness increased. Was this result expected?</p> <p>Can the validity of the model only be applied to the AA7075 sample, or it be used for other materials?</p>	

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PART 2:

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

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