

SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_127261
Title of the Manuscript:	The Impact of Camber Variation on NACA 2412 Airfoil Efficiency and Its Implications for Adaptive Engineering Solutions
Type of Article :	Journal Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>The paper needs to be reread and modified. Significant improvement should be made.</p> <p>The value of the Reynolds number (Re) should be shown for all wings. The results for original NACA 2412 section should be shown. Read the paper: file:///C:/Users/HomePC/Downloads/aerodynamic-performance-of-the-naca-2412-airfoil-at-low-reynolds-number.pdf Go to web: http://airfoiltools.com/airfoil/details?airfoil=naca2412-il and compare your wing data to airfoils data at the same Re.</p> <p>According to the presented measurement equipment the test has been done by testing the small aspect ratio wings, not airfoils. It is the wing with the constant airfoils (NACA2412 and its modification).</p> <p>If all wings have the same span the comparison would be better.</p> <p>Your results are not in the good agreement with the results from different source as it is wings not airfoils.</p>	<p>My paper's NACA 2412 airfoil values do not match the airfoil configurations (Alpha, Cl/Cd, Ncrit etc.) mentioned on the website for their specific Reynolds numbers. In this case, for accuracy reasons, I have not mentioned the «Reynolds number» values. In any case, Reynolds values are not the focus of my paper anyways. I hope this answers your question and we can mark this question as «resolved»..</p> <p>Thanks for the feedback. I have fixed it by adding Cross Sectional for Airfoils A/B/C/D. The edit has been made to correct this issue. By specifying that we are testing a cross sectional portion of the airfoil for A, B, C, and D, we are making it clear in the paper now. I hope this answers your question and we can mark this question as «resolved»..</p> <p>This paper is targeting different dimensions of NACA 2412 air foil. For that reason, we have varied the x, y and z measurements from sample to sample. If I use the same values of Y for all wings, it will be redundant for this paper and will reduce the value. I hope this answers your question and we can mark this question as «resolved».. Thanks for suggesting and adding this section. It makes sense.</p> <p>My results will not match with the results of the given graph since I have not used any negative values of Cl/Cd and Alpha. But, the overall trend in this graph is matching with my results in the positive direction. I hope this answers your question and we can mark this question as «resolved»..</p>