Review Form 1.7

Journal Name:	**Archives of Current Research International**
Manuscript Number:	**Ms_ACRI_116359**
Title of the Manuscript:	**A detailed physical explanation of an aircraft flutter mechanism**
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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1. Yes** **2. Yes** **3. Yes** **4. Yes** **5. Some changes required which is suggested in revision** **6. No, I have suggested to add recent articles.** 1. There are lots of typographical and grammatical mistakes presented. It needs to be corrected. 2. Figures 8, 9, and 10 are not cited in the text, check your paragraph, and cited it properly in sequential order. 3. The details of the material selections, dimensions of the wing and tail parts are missing. Strongly suggesting you to provide the complete details of the model. 4. Add a flowchart of your work, AEROFLEX is not very popular, thus it is required to provide a complete flowchart to make better understanding for the readers. 5. Add the details of the CFD model used for the aerodynamic load calculations and the types of simulations, such as time domain solver or frequency domain solver. 6. I suggest adding you the recent articles (mentioned below) for mode shape analysis and aeroelastic analysis of advance composite to enrich the literature section: (a) Stochastic frequency analysis of laminated composite plate with curvilinear fiber. *Mechanics of Advanced Materials and Structures*, *29*(6), 933-948.; (b) Uncertainty quantification in buckling strength of variable stiffness laminated composite plate under thermal loading. *Composite Structures*, *275*, 114486.; (c) Stochastic aeroelastic analysis of laminated composite plate with variable fiber spacing. *Journal of Composite Materials*, *55*(30), 4527-4547.; (d) Active flutter suppression of damaged variable stiffness laminated composite rectangular plate with piezoelectric patches. *Mechanics of Advanced Materials and Structures*, *31*(6), 1229-1249.; (e) Stochastic buckling response of variable fiber spacing composite plate under thermal environment. *Journal of Composite Materials*, *57*(24), 3821-3839. (f) Uncertainty quantification in free vibration and aeroelastic response of variable angle tow laminated composite plate. *Journal of Composite Materials*, *57*(17), 2645-2668. (g) Stochastic critical buckling speed analysis of rim-driven rotating composite plate using NURBS-based isogeometric approach and HSDT. *Mechanics Based Design of Structures and Machines*, 1-28. (h) Static and free vibration analyses and dynamic control of smart variable stiffness laminated composite plate with delamination. *Composite Structures*, *280*, 114793. (i) Aeroelastic control of delaminated variable angle tow laminated composite plate using piezoelectric patches. *Journal of Composite Materials*, *56*(29), 4375-4408. (j) Damage-induced	

	buckling characteristics of thermally loaded variable angle tow laminated plates under uncertain environment. *European Journal of Mechanics-A/Solids*, *103*, 105188.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Grammar mistakes are observed and asked to correct it during revision.	
Optional/General comments	1. There are lots of typographical and grammatical mistakes presented. It needs to be corrected. 2. Figures 8, 9, and 10 are not cited in the text, check your paragraph, and cited it properly in sequential order. 3. The details of the material selections, dimensions of the wing and tail parts are missing. Strongly suggesting you to provide the complete details of the model. 4. Add a flowchart of your work, AEROFLEX is not very popular, thus it is required to provide a complete flowchart to make better understanding for the readers. 5. Add the details of the CFD model used for the aerodynamic load calculations and the types of simulations, such as time domain solver or frequency domain solver. 6. I suggest adding you the recent articles (mentioned below) for mode shape analysis and aeroelastic analysis of advance composite to enrich the literature section: (a) Stochastic frequency analysis of laminated composite plate with curvilinear fiber. *Mechanics of Advanced Materials and Structures*, *29*(6), 933-948.; (b) Uncertainty quantification in buckling strength of variable stiffness laminated composite plate under thermal loading. *Composite Structures*, *275*, 114486.; (c) Stochastic aeroelastic analysis of laminated composite plate with variable fiber spacing. *Journal of Composite Materials*, *55*(30), 4527-4547.; (d) Active flutter suppression of damaged variable stiffness laminated composite rectangular plate with piezoelectric patches. *Mechanics of Advanced Materials and Structures*, *31*(6), 1229-1249.; (e) Stochastic buckling response of variable fiber spacing composite plate under thermal environment. *Journal of Composite Materials*, *57*(24), 3821-3839. (f) Uncertainty quantification in free vibration and aeroelastic response of variable angle tow laminated composite plate. *Journal of Composite Materials*, *57*(17), 2645-2668. (g) Stochastic critical buckling speed analysis of rim-driven rotating composite plate using NURBS-based isogeometric approach and HSDT. *Mechanics Based Design of Structures and Machines*, 1-28. (h) Static and free vibration analyses and dynamic control of smart variable stiffness laminated composite plate with delamination. *Composite Structures*, *280*, 114793. (i) Aeroelastic control of delaminated variable angle tow laminated composite plate using piezoelectric patches. *Journal of Composite Materials*, *56*(29), 4375-4408. (j) Damage-induced buckling characteristics of thermally loaded variable angle tow laminated plates under uncertain environment. *European Journal of Mechanics-A/Solids*, *103*, 105188.	

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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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Narayan Sharma**
Department, University & Country	**Amity University, India**