EOC Paper Review

Reviewer: Ishan Sharma

Date: 6th December 2020

Paper Title: FUSED DEPOSITION MODELLING GEOMETERY OPTIMIZATION

Paper Profile (Pick one rating for each question):

Poor - Not very convincing. The work has serious flaws and limitations.
Fair - The work is okay, but not very demonstrative of the material in the class.
Marginal - The work is okay. Met the basic requirements for the project.
Good - The work is acceptable. The basic requirements were met and exceeded in a few areas.
Excellent - The work was outstanding. Met or exceeded virtually every expectation.
Honors - Wow, I'm really impressed. This is professional work like I'd expect at a conference.

Originality	*Excellent*
Engineering Relevance	*Honors*
Scientific Relevance	*Honors*
Completeness	*Honors*
Acknowledgement of the Work of Others	*Honors*
Organization	*Honors*
Clarity of Writing	*Good*

Technical Evaluation (Answer Yes or No to each question):

In your opinion, is the paper technically correct and free of errors?	*Yes*
Have you checked the equations?	*Yes*
Does the paper meet the format guidelines?	*Yes*
Is the writing suitable for a technical publication?	*Yes*
Is the paper too long?	*No*

Paper Recommendation (Answer Yes or No):

Should the technical content of the paper be revised?	*No*
Should the writing of the paper be revised?	*No*
Should the paper be submitted to a conference?	*Yes*

Please provide additional comments below (Add additional pages as needed):

- Figures 5 & Figure 6 could be annotated as Figure 5(a), Figure 5 (b) for two different images, holds same for Figure 6, I find it looks more systematic and organized.
- Abstract could be little more comprehensive, to a degree, it gives the author the clear idea where the research is heading.
- Insights about the solver scheme should be included, as to what all solvers were used.
- A Validation plan for observed FEA results is also needed using analytical hand calculations.
- Just a working tip: For the issue about Ansys to be used on Local resource, it can be sorted out. We had led a project in last Fall in our CAE Class project, to

accomplish the same for our multi-objective optimization problem of Nose Landing Gear. Just ask CCIT's help in that regard.

- Rest, Exemplary work done by one individual itself.
- The paper needs some cosmetic changes in terms of formatting, it is good to roll into a conference. Good Work!