

Project Status Report: CEE-2019CPST-0 15

Report Date: Feb 10, 2020

Team Members: Michael Chidester, Tyler Jensen, Sabrina McCuen, and Hannah Van Noy

Project Title: Coreform FEA Benchmark Activity

1) Summary of technical/non-technical challenges encountered

- The biggest struggle has been becoming familiar enough with ANSYS to perform the benchmark activities on it. Within ANSYS itself, the most challenging part is learning to manipulate the mesh to exactly what we want it to be.

2) Team approaches & resolutions to overcome challenges

- In addition to watching many tutorial videos, this week we were able to spend time as a group in the lab and help each other learn more about ANSYS.

3) Status of challenge resolutions & potential project impact

- We have successfully completed one of the benchmark activities in ANSYS. We are very close to completing the second one as well. We will easily be ready to work on Coreform's FEA by the end of the month, if not sooner.

4) Project status & summary

- The project is well on its way to reaching the next phase which will be to learn Coreform's FEA and perform the benchmarks on it.

Please enter # of hours spent on project this last week for each team member in the order listed above

Member #1: 1.5

Member #2: 1.5

Member #3: 1

Member #4: 0