

DSG-Ansys R&D Meeting Minutes

Date: July 28, 2022

Time: 14:00 to 15:00

Attendees: Aaron Brown, Pablo Campero, Brian Eng, Marc McMullen, and Tyler Lemon

1. NPS thermal analysis

Pablo Campero and Brian Eng

1. Discussed simulation results for a model with only one fan and no heat applied
 - Reduced the element size of the mesh in the rotating domain volume to allow a better visualization of the velocity vector plot required to determine if the rotation is correct
 - Ran simulation with rotation coordinates at $x=0$, $y=-1$, and $z=0$ and at 1600 rpm
 - Noticed that time to simulate rotation of the fan decreased with the new mesh set up, but had floating point exception errors again
 - Contacted Ansys engineering support to check if configuration used for the simulation is correct: awaiting reply