

Wednesday Challenge Form

Group Members: Jess, Sam, John and Sona

Problem Statement:

Boat tail is located at the bottom of the rocket. Design and build a boat tail with at least transitions using corrugated cardboard as the material.

Approach:

Even though the equations were given to make more accurate measure of the tail, we decide not to use the equation due to manage the time more carefully. Using a compass, Sam drew a curved line which is about a quarter of a circle. First, we had our model ready but it wasn't enough for us to get judged because it was small and messy. Using the same method, we made another one that has larger pieces than the previous prototype. To secure the space between the transitions, Andrew used duct tape so it holds them together looking smooth on the outside.

Solution: Alvin's group won the challenge. Their transition did not have any gaps between each other. They also used making tape instead of a duct tape for smoother surface of the boat tail. Our team got 2nd place.

Lessons Learned: If I would do this challenge again , I will use the equation given. It is useful to moderate the design and build the accurate model of it.