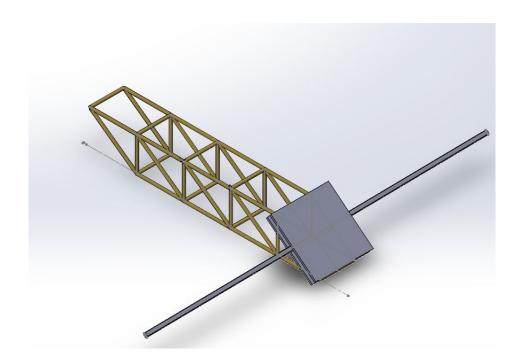
MSE 312 Design Pitch

By Lab 2 Group 4

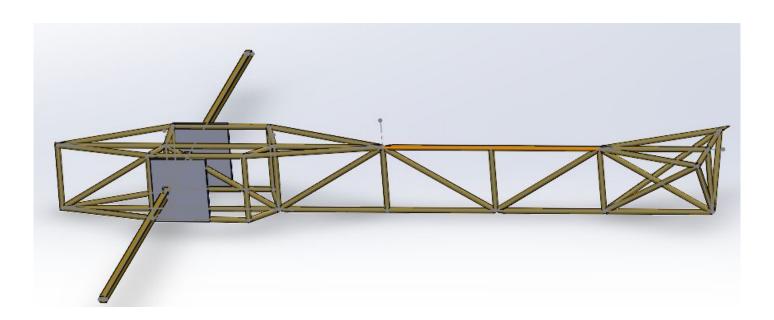
Initial Designs/Concepts

Concept A:



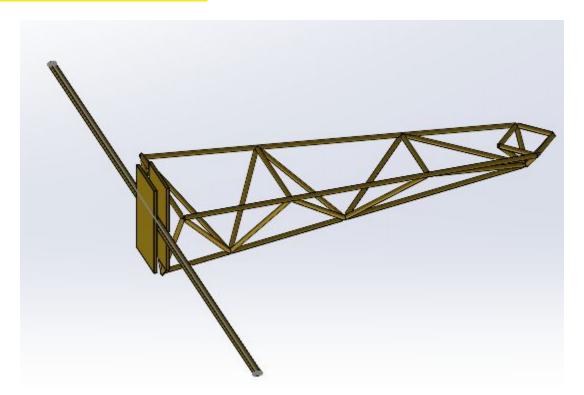
Initial Designs/Concepts

Concept B:



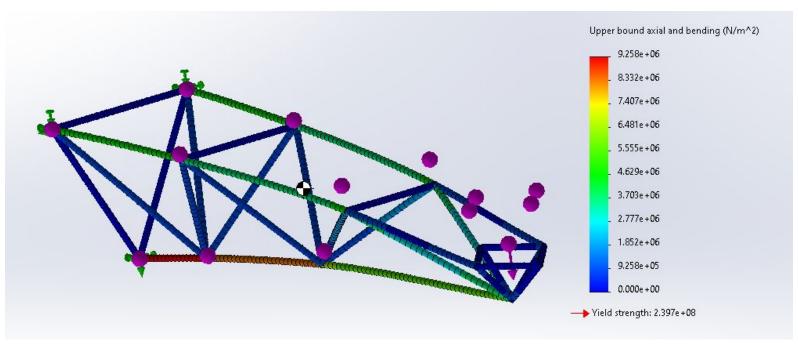
Initial Designs/Concepts

Concept C:



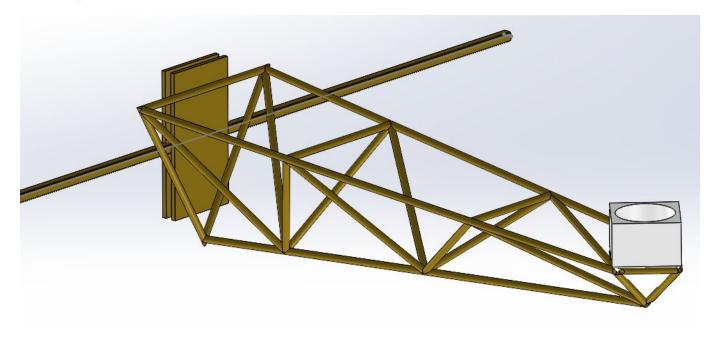
Criteria	Weight	Α		В		С	
		Score	Weighted Score	Score	Weighted Score	Score	Weighted Score
Inertia	5	3	15	5	25	3	15
Deflection	5	4	20	1	5	5	25
Brass Used	3	3	9	2	6	5	15
Simplicity	2	4	8	2	4	4	8
Assembly	3	3	9	1	3	3	9
Total			61		43		72

Concept 3 Stress test results: Ixx = 863931.63



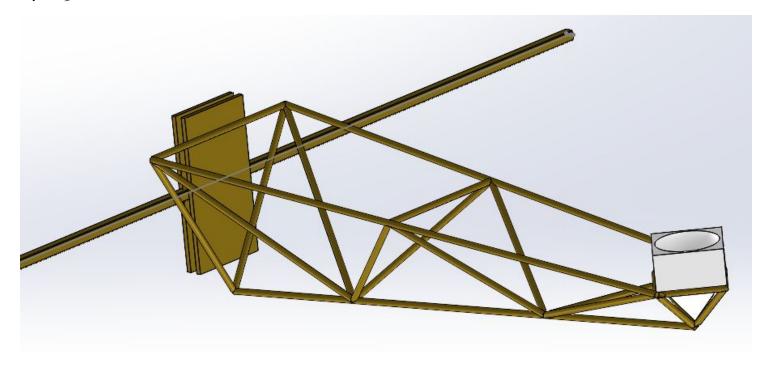
Evolution of Our Design (Design 3)

Ixx = 1186087.83

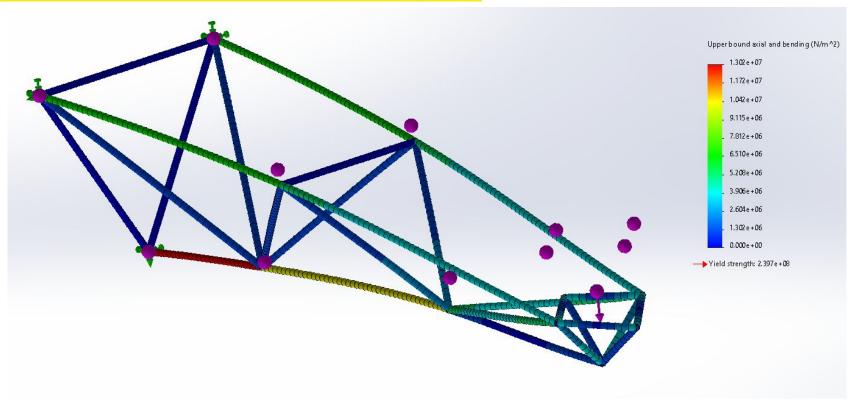


Evolution of Our Design (Design 3)

Ixx = 817863.68

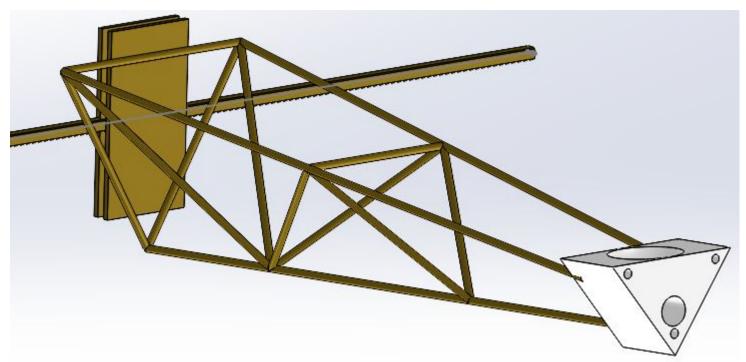


Evolution of Our Design (Design 3)

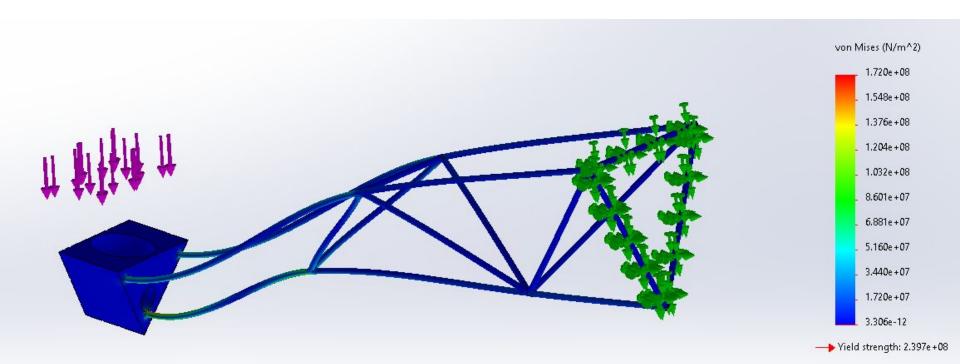


Final Design

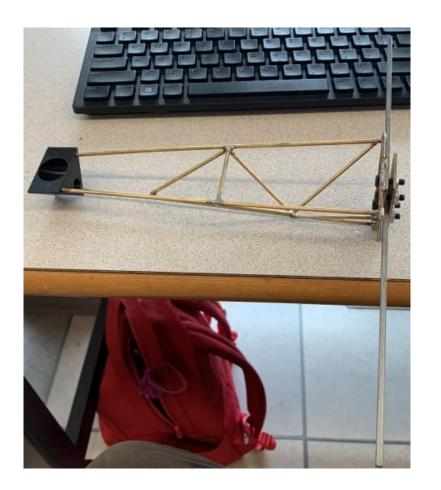
 $Ixx = 703555.67 \text{ g/mm}^2$



Final Design



Final Design



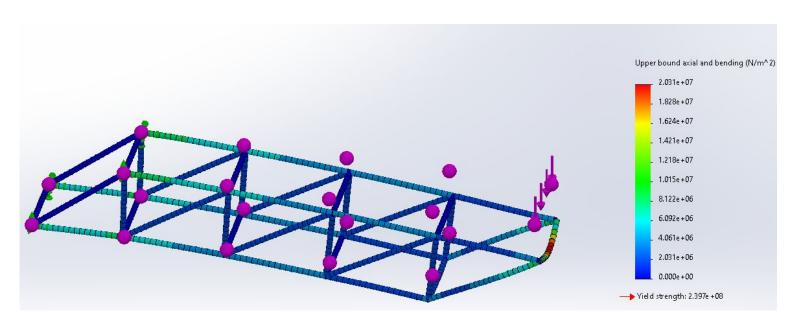
Questions?

Concept 1: Ixx = 667309.93

Concept 2: Ixx = 1768559.97

Concept 3: Ixx 863931.63

Concept 1 Stress test results:



Concept 2 Stress test results:

