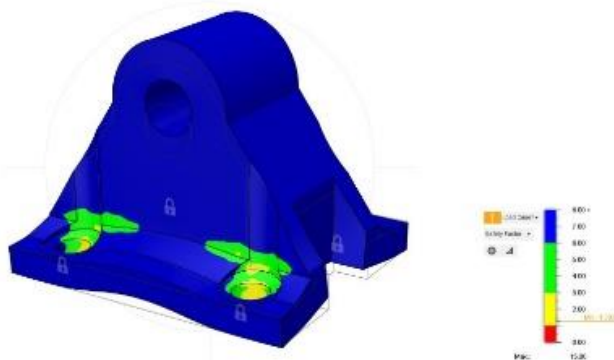


# Bracket Optimization Competition – Team Corn Bread

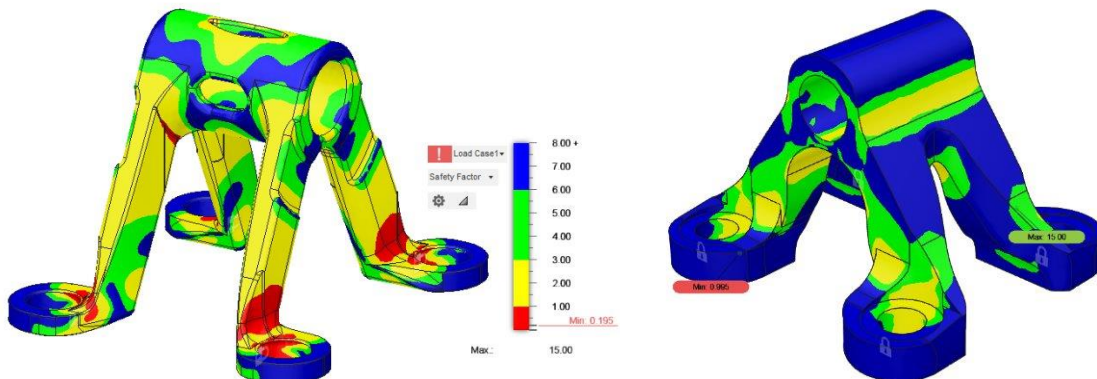
Original Bracket:



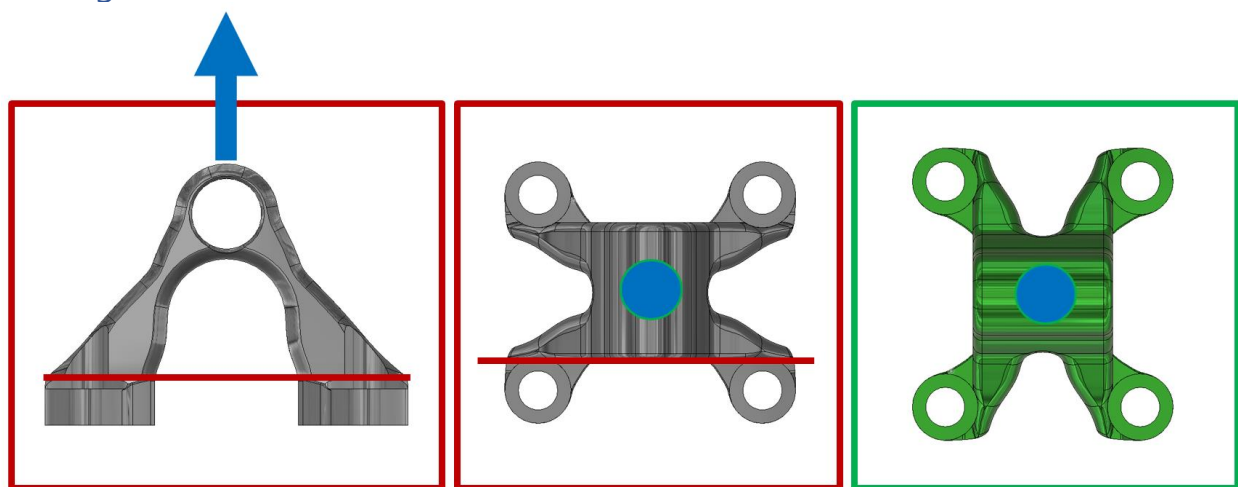
The goal is to optimize an old bracket.

A load of 325lb will be applied to the bracket in the z direction. Whichever team has the lightest and strongest bracket wins.

Lean and Beefy Concept Design:



Printing Orientation:



Separates because of layers

Separates because of shear

**Most Optimal Orientation**

## ABS Printed Part:



## Formula and scores:

Team Number and Name	Weight	Load	Score	Safety Factor
8 Corn Bread (Julio Rob)	22	3237	3.123	2.2
5 Blaze (De Haro)	24	3139	2.867	2.2
9 Starlight (Itul Cyn)	26	2662	2.640	1.8
4 Python	27	4784	2.606	3.3
3 CA (Cat Ana)	31	2558	2.224	1.8
2 Worst than Corn Bread (Vini Aaron)	33	3210	2.112	2.2
6 CR Design	37	5183	1.951	3.6
7 Ranger	45	8021	1.713	5.5
11 Los Franksitos (Kneph)	47	5760	1.584	4.0
12 Gerardos Team	58	6290	1.331	4.4
1 The Printers (Rene Jesus)	64	3713	1.149	2.6
10 Blue	68	5511	1.139	3.8
Original Bracket	95.2	10383	1	7.2