SAMPE Additive Manufacturing Competition Design Summary

Name: Your Name
Email: YourEmailAddress@mail.com
School: Your School's Name
Registration Number: Your Number (2XXXXX format)
Faculty Advisor: Your Advisor's Name
Faculty Email: YourAdvisorsEmailAddress@mail.com

Visual depiction of your design:

Picture(s) Go **Here**

(with scale AND print direction)

Print Parameters and Orientation:

Any specific print parameters or print orientation you would like for Stratasys to use when printing your submission. See AMC rules document for defaults.

Written description of your design:

Why did you choose it? What makes it unique?

Calculation of your design's structural capability.

Must include failure mode prediction and show the relevant calculations performed. For example, a long column or support element should be analyzed for both compression strength and bulking strength.

Column Information:

	Units	Value
Weight	g	**Here**
Load Capacity	lb	**Here**
Height	in	**Here**
Diameter	in	**Here**
Number of Parts		**Here**
Cross-Sectional Area	in²	**Here**
Moment of inertia	in⁴	**Here**
Modulus	Msi	**Here**

Compression Failure:

Your calculations **Here**

Buckling Failure (Assuming pinned-pinned):
Euler column formula:

Your calculations **Here**

C=? for this loading case.

Estimated print time:

Your calculations **Here**