PLANAR CONSTRUCTION GROUP PROJECT

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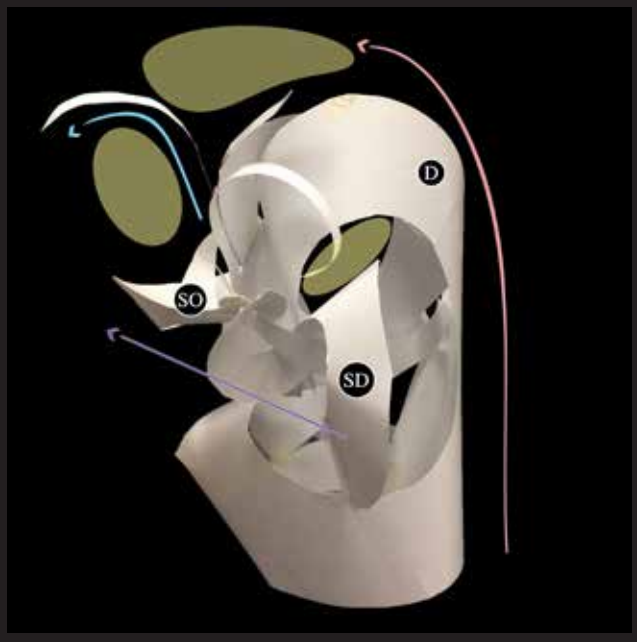
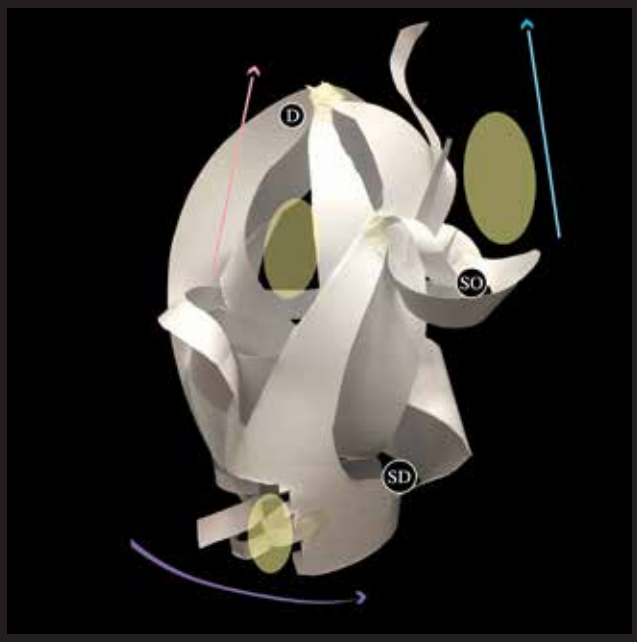
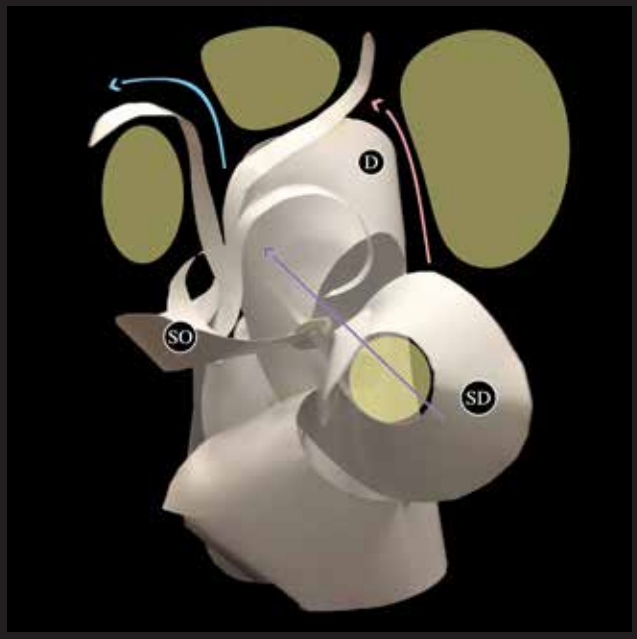


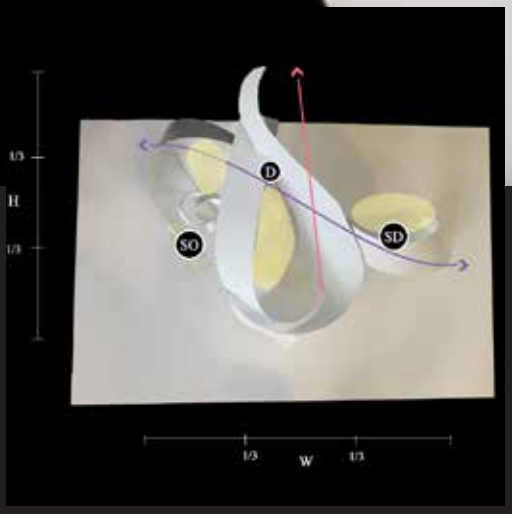


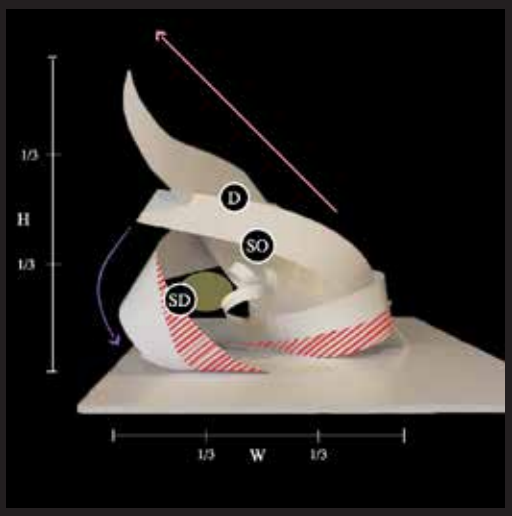


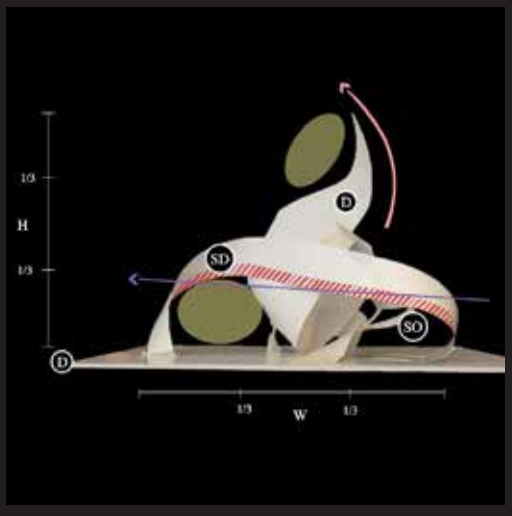
THE ORIGINAL MODEL

The prominent components of Janne's model are the voids and swirls she created by the twisting of the paper. It is interesting because in the model was done in a way where the folds enclose each other, enabling the user to "see through" the other planes that was weaved in the inside of the model. This is something we would like to incoperate into our models as it engages the user to move around to see the different components of the models. Kind of like the Matryoshka doll (a russian doll) effect.

What needed to be improved on is the simplifying the model, making the D, SD, and SO more differentiated and removing the base that it has.







REINTERPRETATION 1

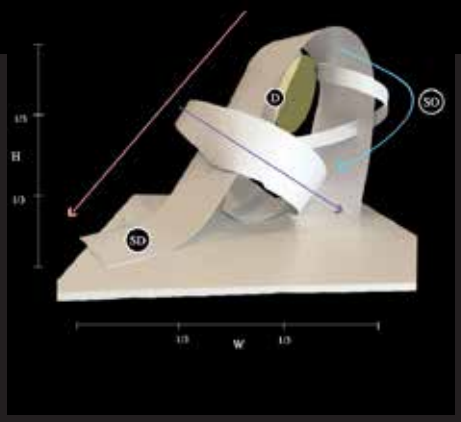
For this model, we looked at another view point of the oringal model and applied the similar voids we liked. However, what can be improved is thinning the width of the SD to differentiate it more from the D better. What was good about this model is that it is purposely designed to fall in the 1/3 lines.

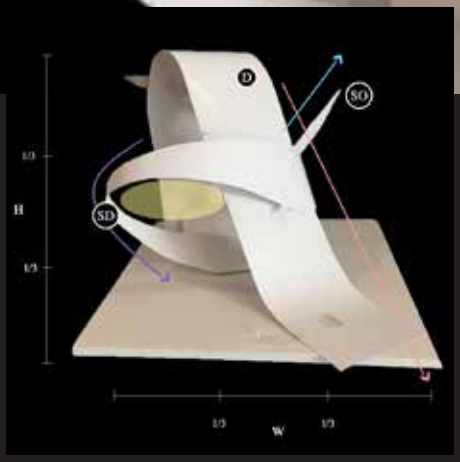
Application idea: Grand Theatre
The dominant whcich extends up will be made of translucent paneled glass/acrylic so that light can fall through. A gallery will be placed where the D's void is. When light falls into it, it's spread all around the room.

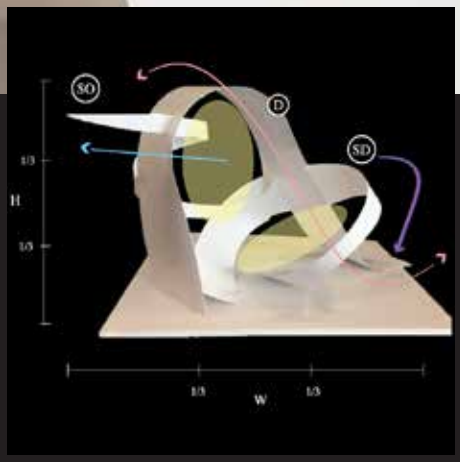
The sub-dominant void will hold the theatre. The SD curve will be made with cement and to cover input some doors, the exterior walls will be glass.

To make it abit more eco friendly– the sub-ordinate can be an indoor grass trail encircled by glass perched out from the D so that people can have a stroll, sit or relax there.

Another application can be a hat.







REINTERPRETATION 2

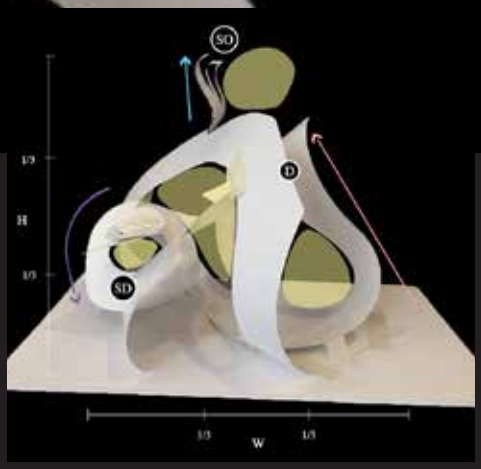
For this model, we played around with the the extended planes from the original model. We also tried to incoperate the planes that were weaved within the voids. What was good about this model was the different lines of axis that were angled at different parts, making it interesting at different views.

Changes that can be made is slightly shorting the SO SO.

Application idea: Greenhouse
The Dominant will be made with green house mesh material that will cover up the whole curve.

The sub-dominant will be made with wood.

The sub-ordinate will be an open pipe made with a hollow translucent black acrylic pipe. It'll be able to capture wind. Holes will be puctured on the SO that lies in the D void so that air and wind can go in without affect the growth of plants.

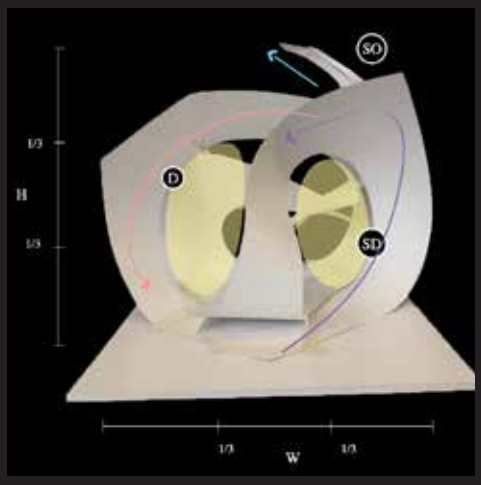


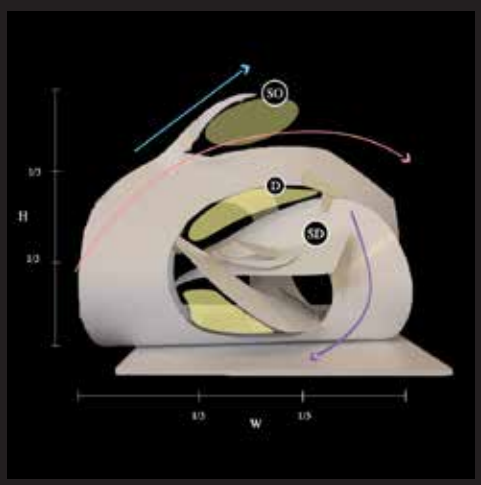
REINTERPRETATION 3

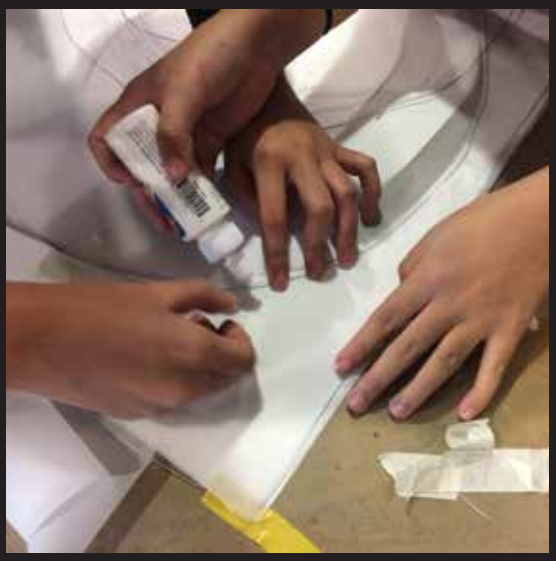
We did a replica of the focus of the original model, the main Dominent that surrounds of the other planes. The lines of axus here are curved and points at different angles. This reinterpretation also encaptures what we had in mind, creating the russian doll effect that wanted the viewer to move around to see the different planes.

What can be improved is adjusting the planes within the model to create more ‘blockage’. In addition, the lines nedded to fall within the 1/3 lines. This can be done by shifting most of the inside planes to the 1/3 lines of the right.

Application: Lantern
This is our chosen model we decided to work on, and we furthur improved it to give the most desirable form.





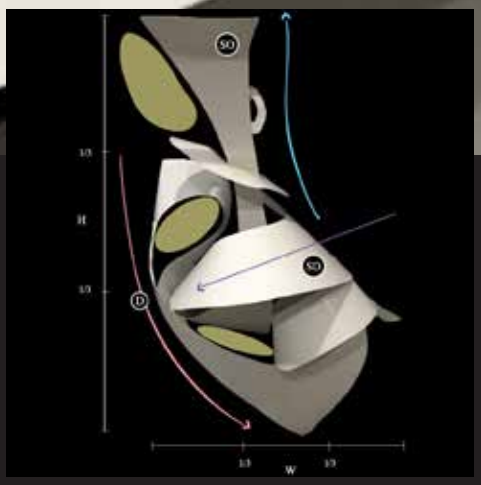


THE IDEA BEHIND OUR MODEL

Inspired by the Janpanese lantern and wanting to play around with the opacity of lights, we decided to use wires, tracing paper and small fairy lights as our main materials for the final model. We liked it the warm colours and how it wasn't intimidating but it felt comfortable. And decided to replicate it.

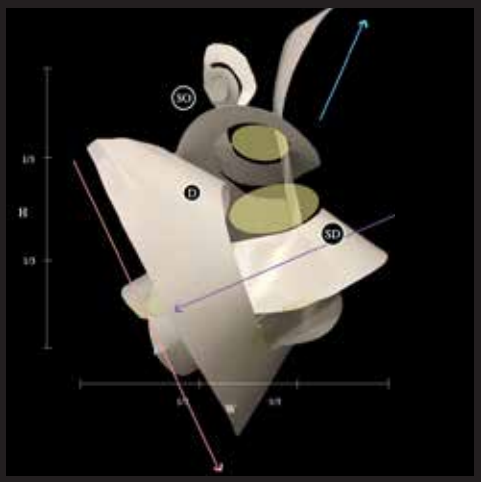
Our team layed out the the paper we used for our final model and moulded the wire along the outlines in order to create an exact replica of the model. We then sandwiched it between two large pieces of tracing paper and cut it according to the outline of the wires.

We kept this application simple, choosing only 1 main material as we wanted to retain the Japanese style of simplicity (shibui). The subtle details we included however, were the light crumpling of the tracing paper to give it a texture. And the way the wire casts a light shadow against the tracing paper when the lantern is being lit.



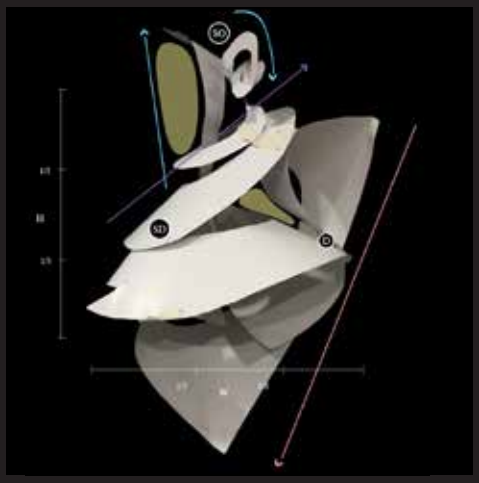
THE LANTERN

We basically changed the angle of Interpretation 3 and also removed the base. We also incoperated on the large spirals and huge voids in Jane's model, and played around with the spirals. The smaller twirls and corners are he SD, and the larger spirls that forms the D and SD.



For our final product, we wanted the D to be sharper and less curved from the SO and SD to give the model a different form. Thus, we intend to sharpen the D for the final product. We also decreased the length of SD to differentiate it better from the D. We also needed to adjust the angles of the SDs to give the model a variety of axis.

Application of The Lantern:
Since it's made of spirals and we had a lantern in mind, we wanted the whole structure to be made with the same material. The Dominant and the Subdominant can be made with tracing paper and the structure can be formed with wire.



As we had a latern in mind, we wanted out SO will begin from the top of the spirals and curled around mini fairy tungsten fairy lights.

FINAL MODEL:
NO TURNING BACK

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Using wire was a good choice as it was easibly malleable and the ideal shape that we had in mind took shape quickly unlike when we were trying to come up with a model with paper. The spirals and sharp corners of the turned out to what we imagined it to be as we could incoporate all the voids and different angles we envisioned. We added the fairy lights to give a pop to it. Although we felt that the SO might run too long if we used fairy light (thus increasing its presence instead of being a ‘pop’), but we felt that there was a need to spread out the lights so that the warmth can flow through the intire product rather than the lights concentrating on one area. We felt that it may affect the visual reading of the product and idea as the lighted part may omit the downplay our intentions of using the tracing paper.

Application:

1. No turning back (Lantern)

The ballerina (Necklace)

A necklace.
Material that can be used: Acrylic for the main structure.
Gold wire inside in place of the lights to give the necklace a sparkle.

END