

THE WONDER CASTLE

奇幻城堡

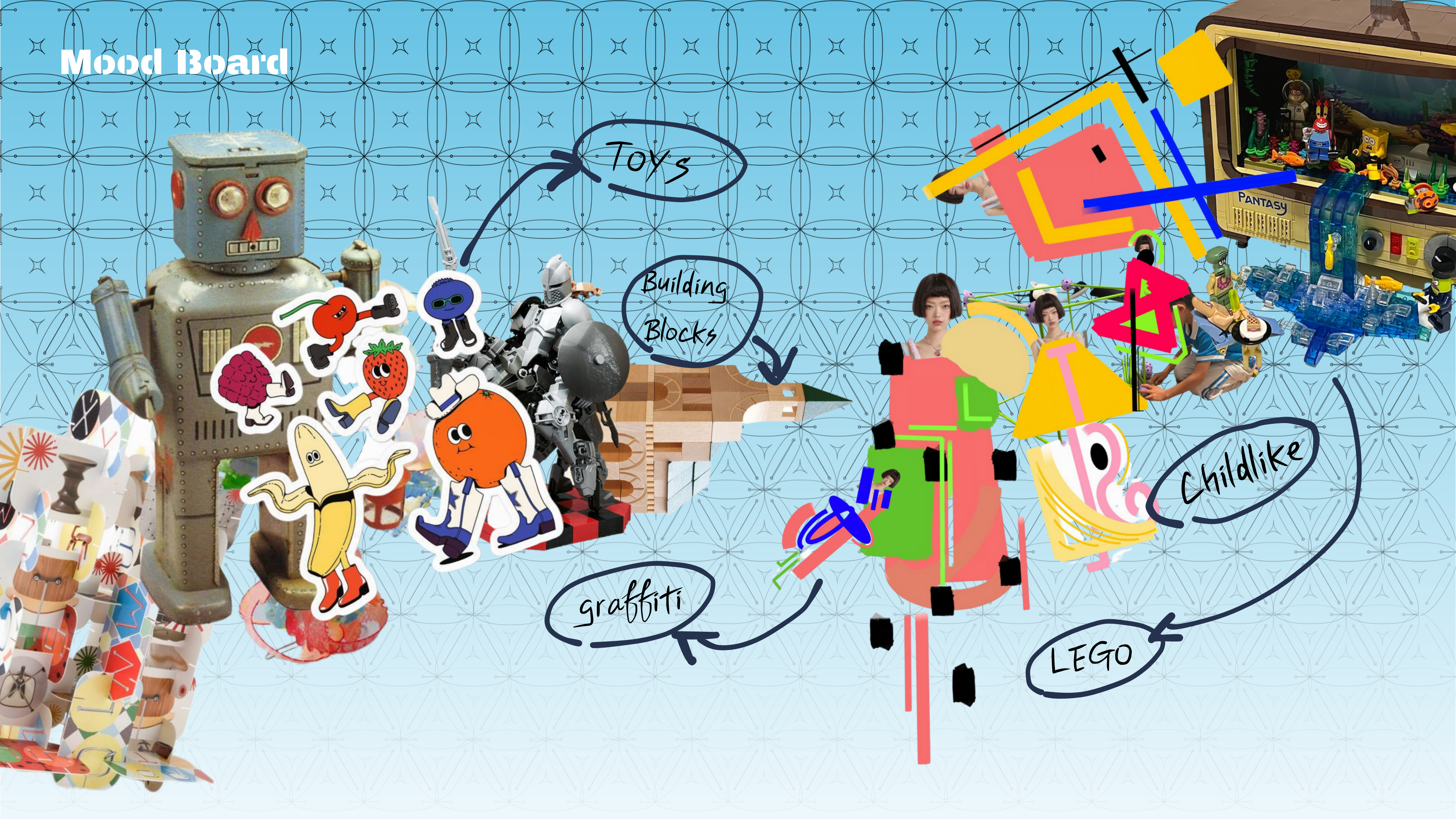


Design Notes



The Wondercastle is inspired by many fairy tales. The protagonist of the story is usually a brave and kind little girl, and the place where the story takes place is often a mysterious and terrifying castle. Like the rabbit hole of Alice in Wonderland, Howl's Moving Castle, the abandoned castle deep in the forest on a full moon night, etc. My work is inspired by a story, and I try to design a series of sustainable clothing with children's interest. Environmental pollution may be urgent, but sustainable design also needs to be people-oriented, and should not be a heavy social issue. Magic Castle draws inspiration from Lego bricks, and designs modular and sustainable clothing based on mathematical theories such as geometry. And in the material part, sustainable leather materials will also be mainly used. The work will convey to people that sustainability is not shoddy, and environmental protection is not just a serious pollution problem. It can be extremely fun toys, extremely personalized fashion, design with a sense of life.

Mood Board



Toys

Building
Blocks

graffiti

LEGO

Childlike

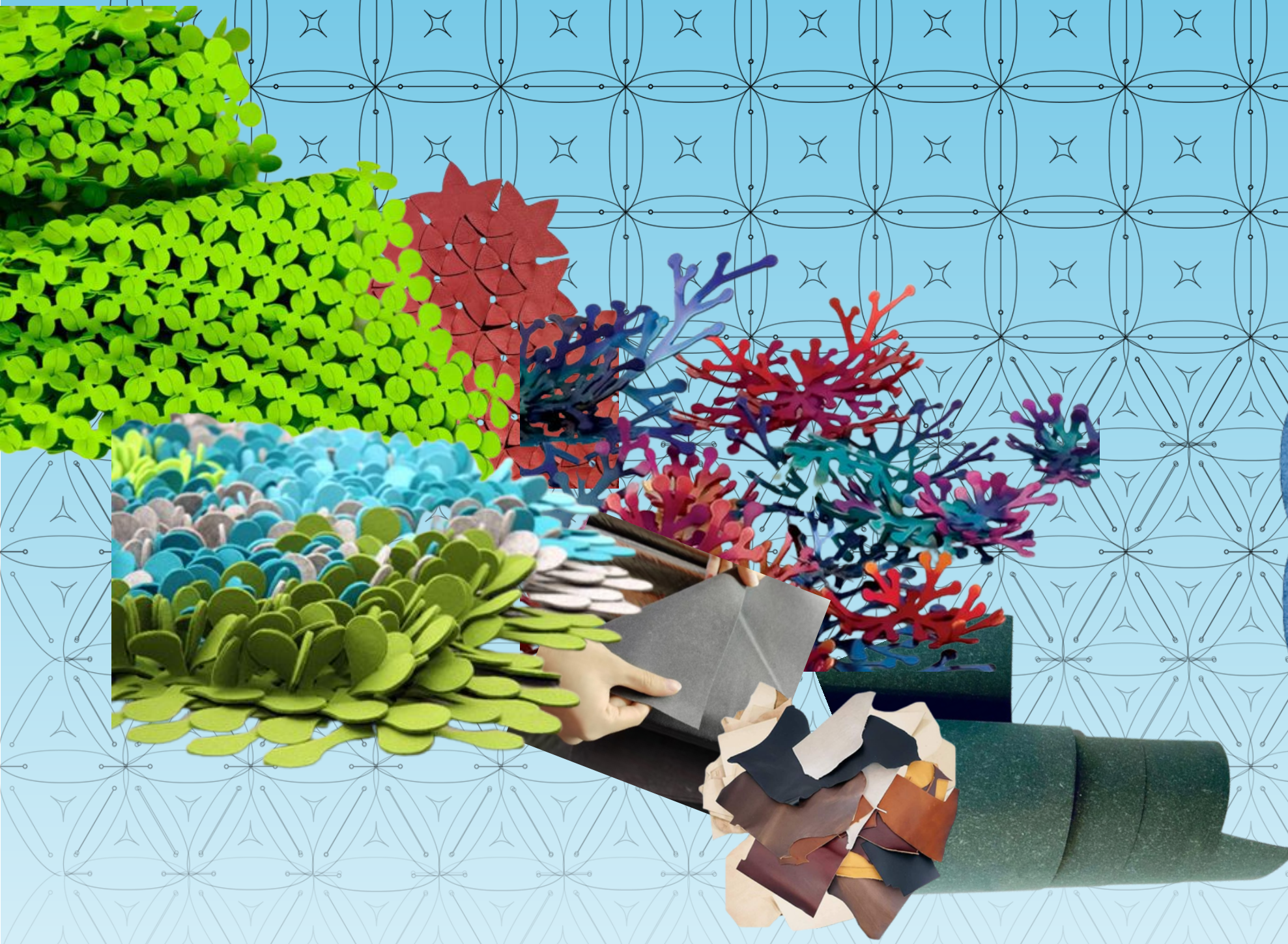
Color Board



Sketches



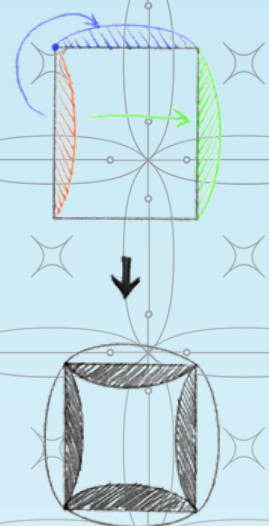
Textile & Leather Research



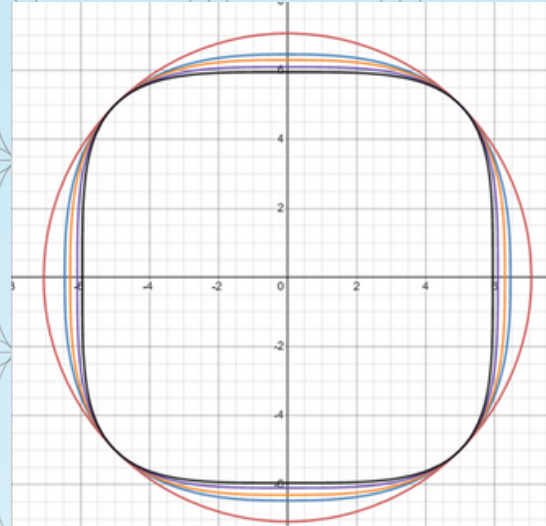
In terms of materials, in order to better fit the design theme, leather materials with a certain degree of toughness are mainly used in combination with sustainable biomass materials in the design. Discarded leather materials can be recycled into sustainable biomass materials, achieving a sustainable structure from production to recycling



Structure & Technology

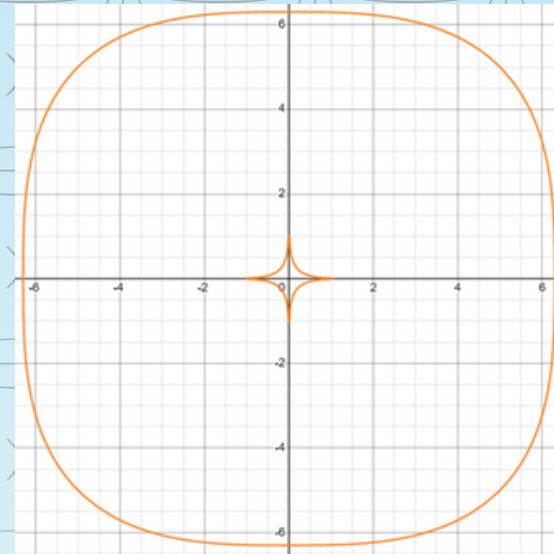


Analysis of Geometric Tessellation Principle

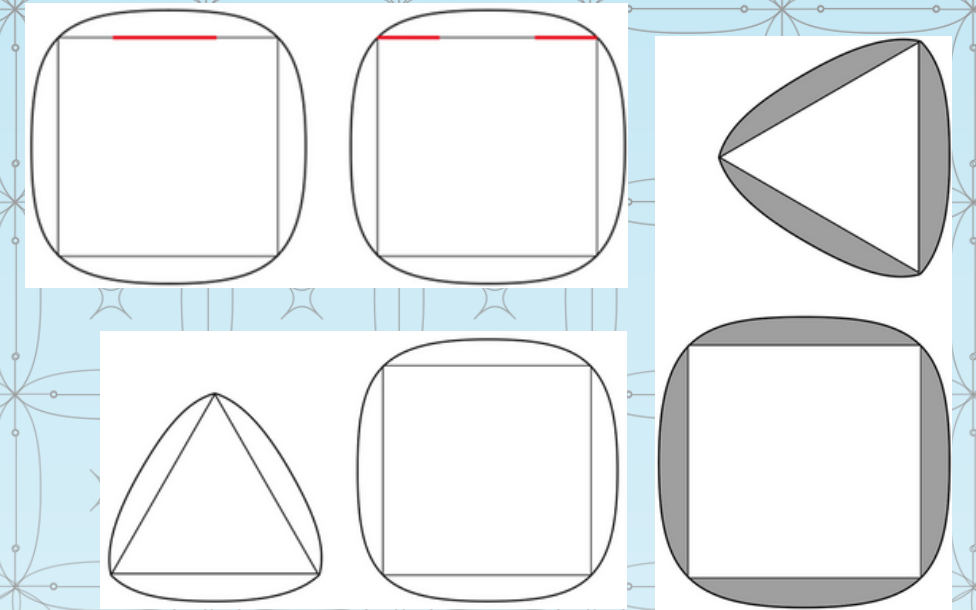


- 1 $|x|^2 + |y|^2 = 50$
- 2 $|x|^{2.7} + |y|^{2.7} = 154$
- 3 $|x|^3 + |y|^3 = 250$
- 4 $|x|^{3.5} + |y|^{3.5} = 559$
- 5 $|x|^4 + |y|^4 = 1250$

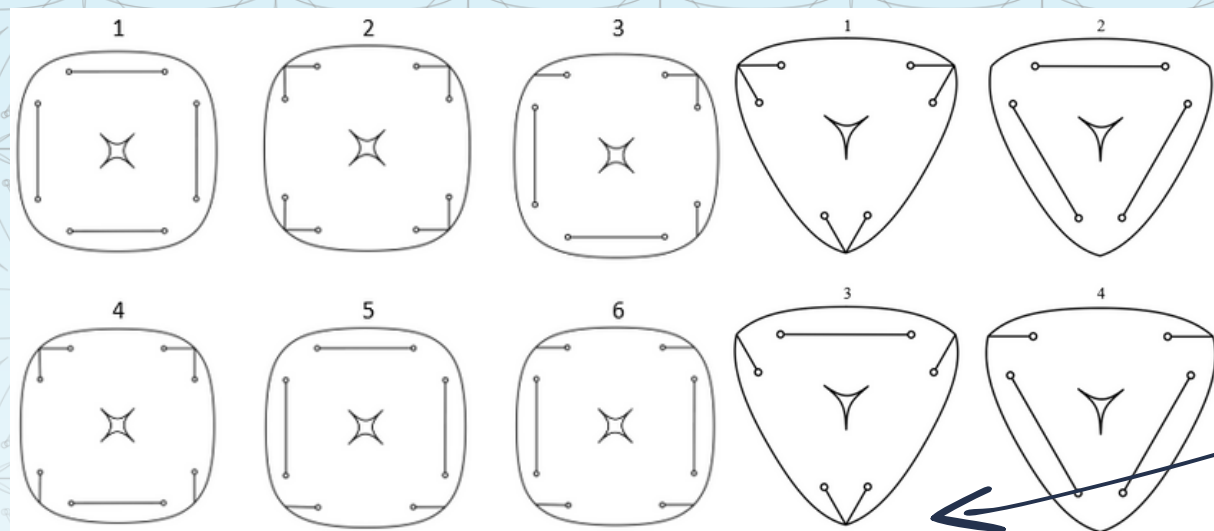
function-assisted drawing



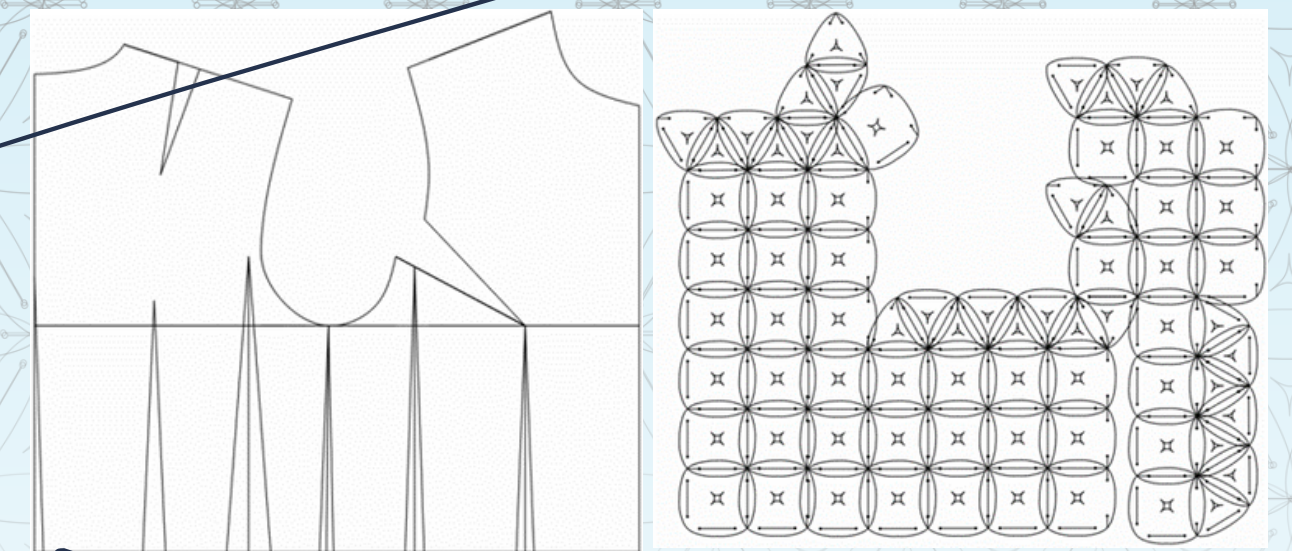
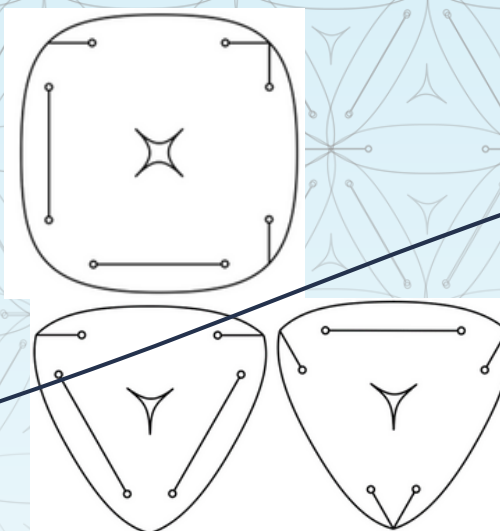
- 1 $|x|^3 + |y|^3 = 250$
- 2 $|x|^{\frac{1}{3}} + |y|^{\frac{1}{3}} = 1.2$



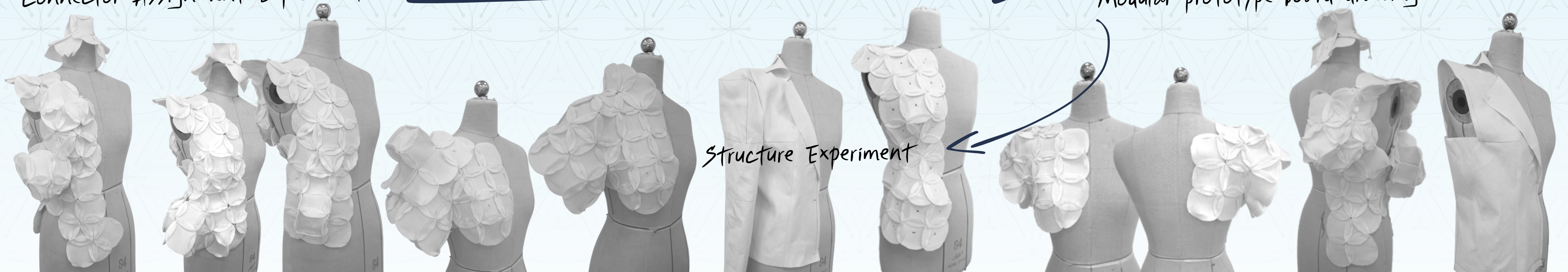
Connector Design



Connector Assignment Experiment



Modular prototype board drawing

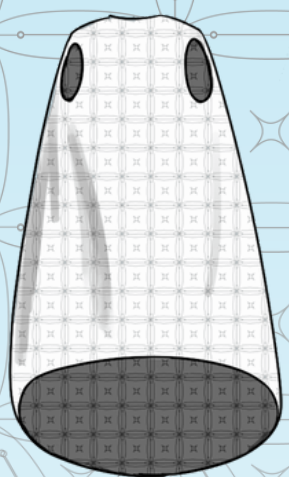


Structure Experiment

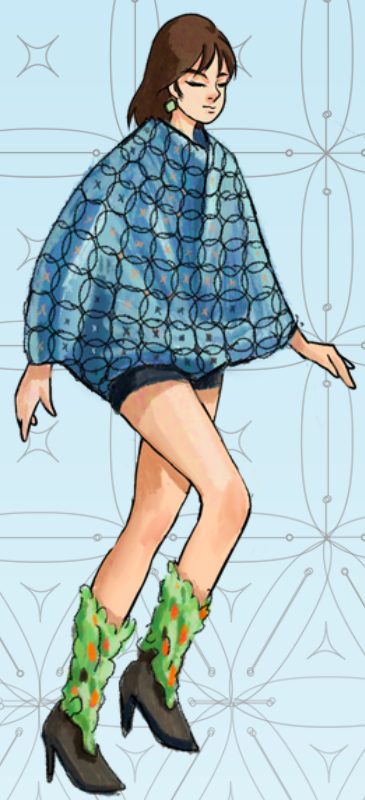
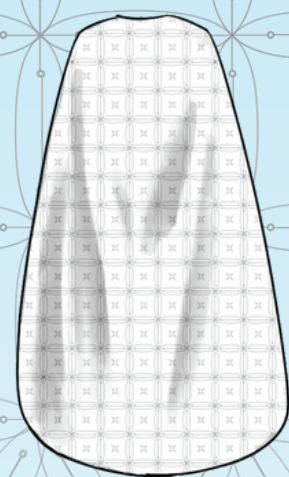
Flats & Technology



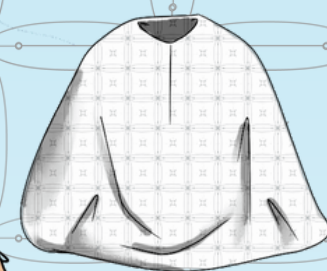
front



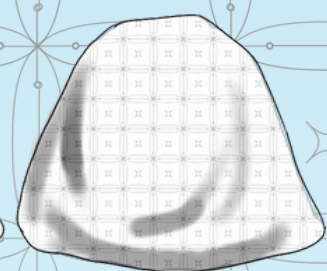
back



front



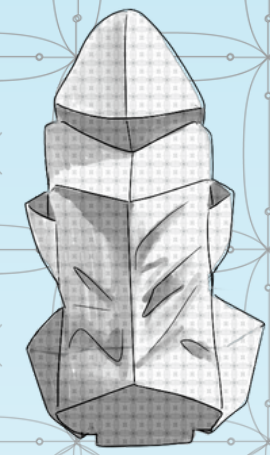
back



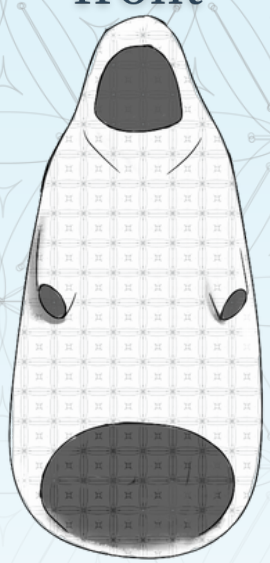
front



back



front



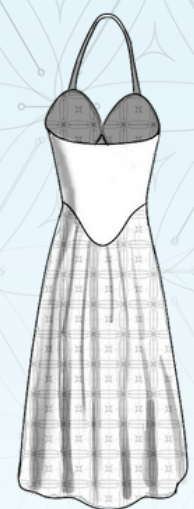
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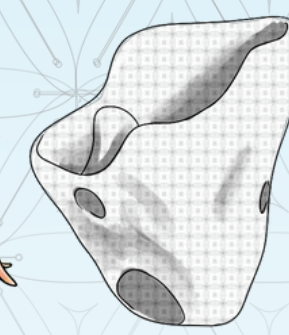
front



back



front



back

