

HORSE & PAPER

INTRODUCTION

CONCLUSION

OXFORD
BROOKES
UNIVERSITY

CHAUVINH | MArch

Advanced Architectural Design
Structural Avatar | Semester 1
School of Architecture

Can Visual Effects be the future direction of Origami?

Origami is the art of folding paper.

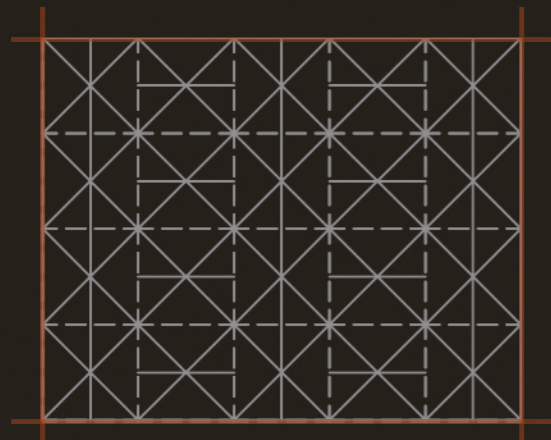
In this research, I focused on the Origami's visual effects (light & shadow art, optical illusion...) because of the gap in knowledge of these.

Firstly, I created my Origami form and observed how possible the transformation in the same formula is. Secondly, I took inspiration from the Centaur and the finger shadow puppets to create the silhouette of a horse on my Origami.

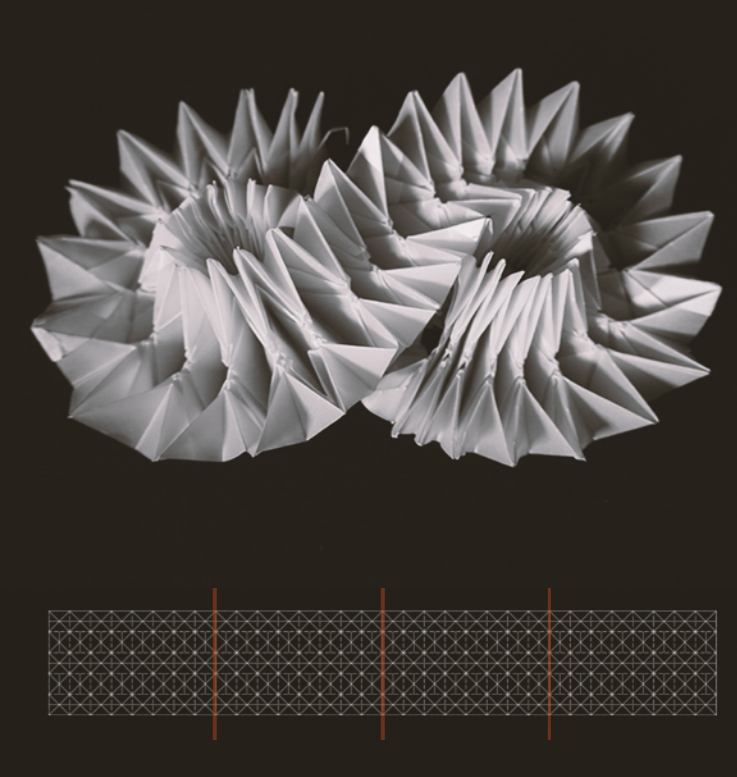
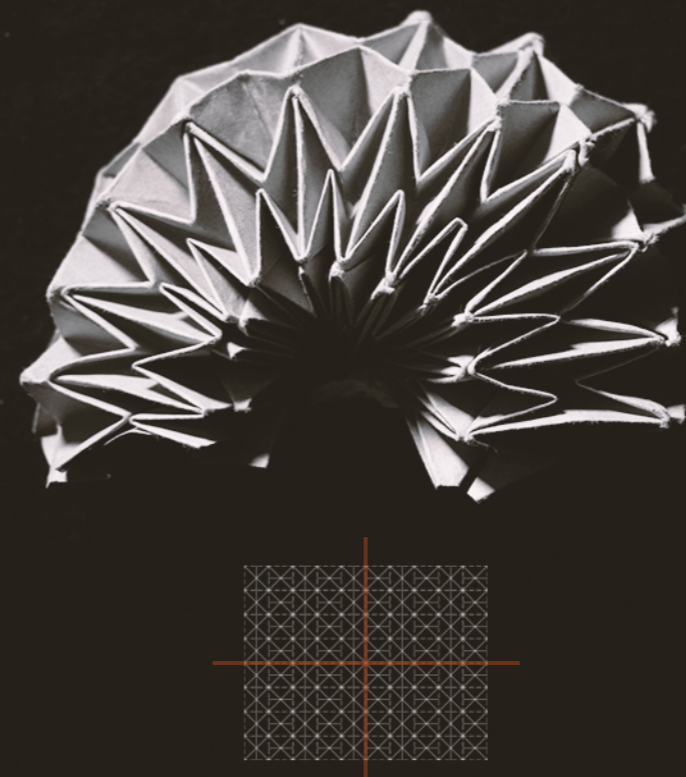
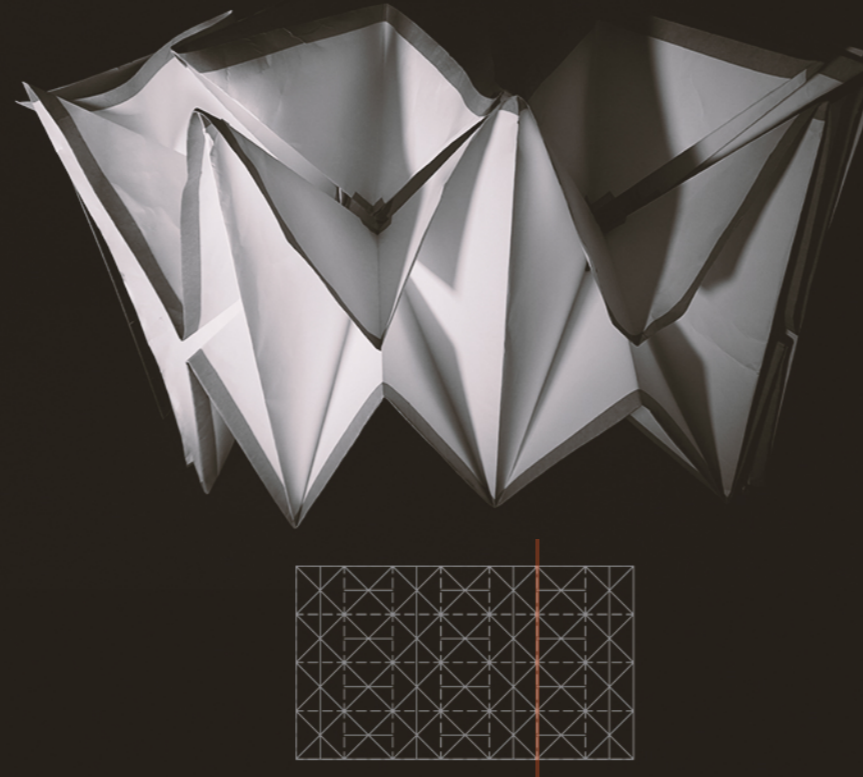
During the experiment, I noticed that when moving an object on the Origami, the object's projection changed depending on the Origami surface and it also created the optical illusion.

This can be a new inspiration for designers when studying Origami. Because besides the aesthetics of the structural form, Origami can also be studied in the application of visual effects.

Transformation



Primitive module



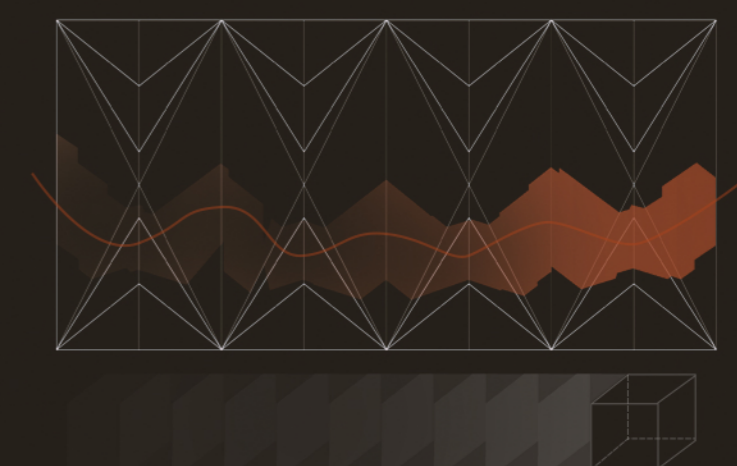
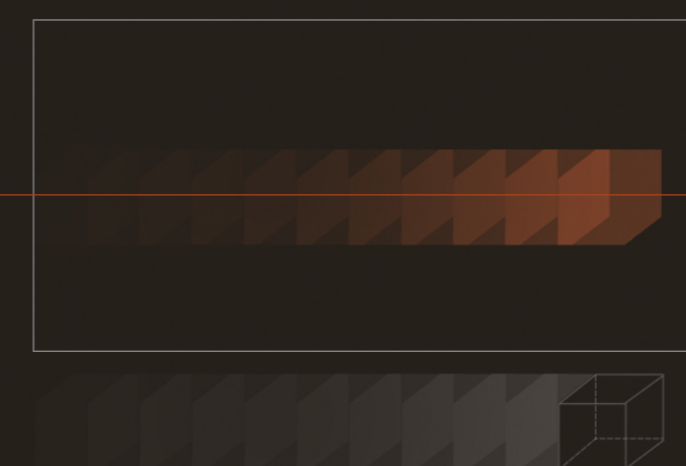
Visual effects - The silhouette of a horse



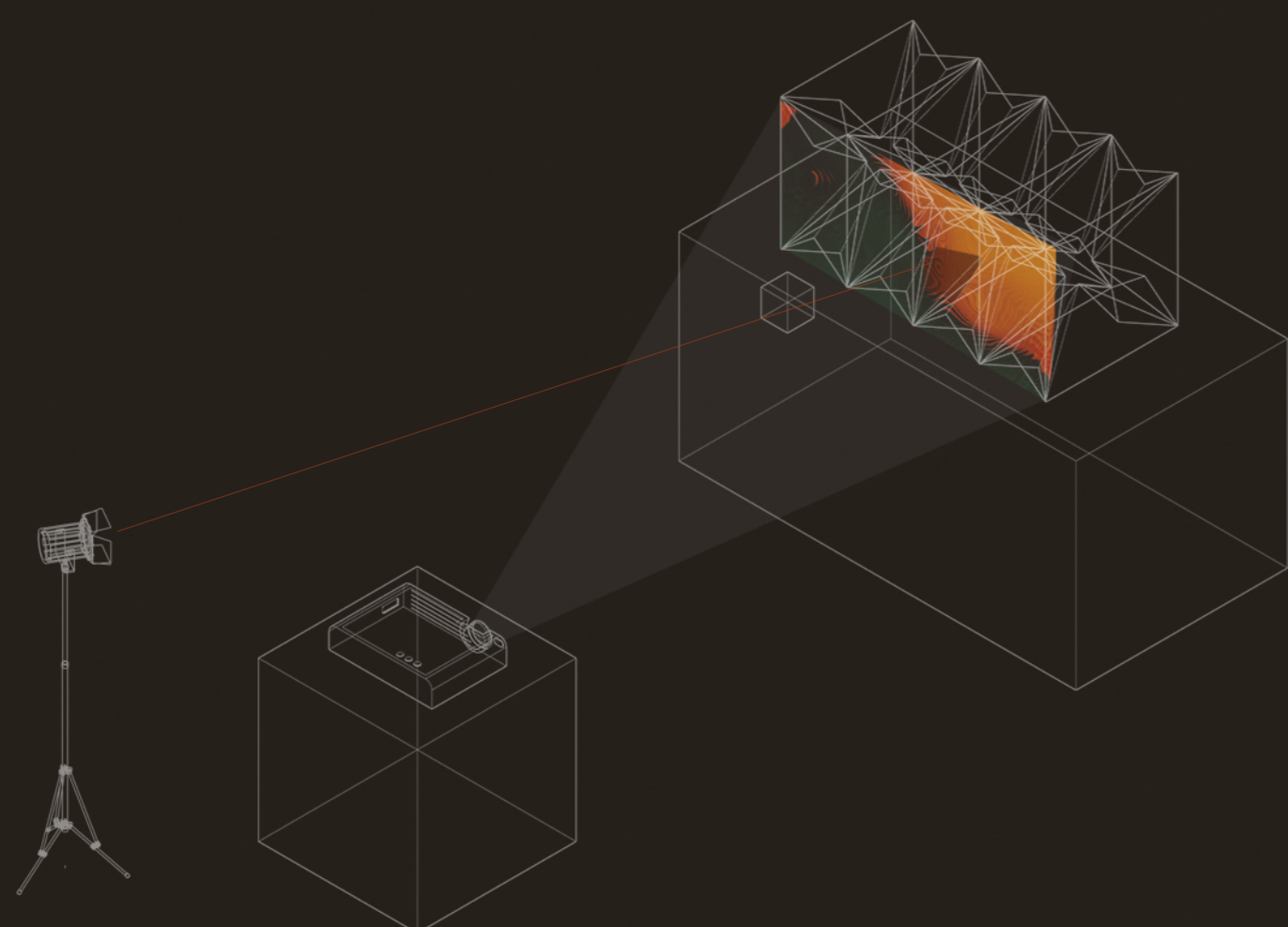
Centaur - the silhouette of a human and a horse



Finger shadow puppets



The shadow moves on a flat surface & Origami's surfaces



Research process



References:

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