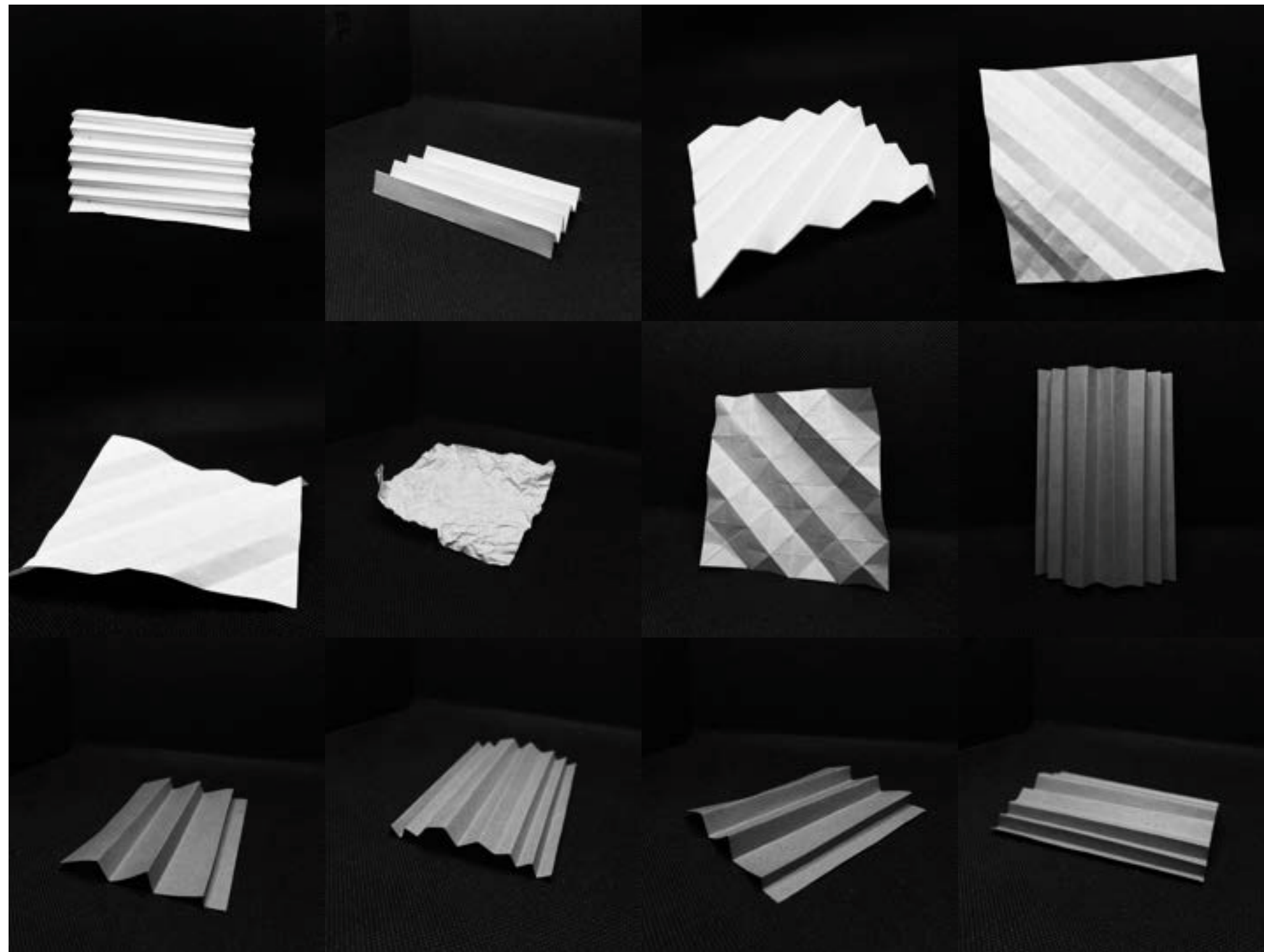


**Queenii Chong Zheng**

**[Phase 1: Fold]**

**Project 1 Final Submission**  
GRPH 1002  
Design Process 2



## Phase #01 — Explorations / Experiments / iterations

Lines folding can be considered the most basic design. The process is to make sure the paper is precisely equal lengths, and the angles enable other techniques to be performed.

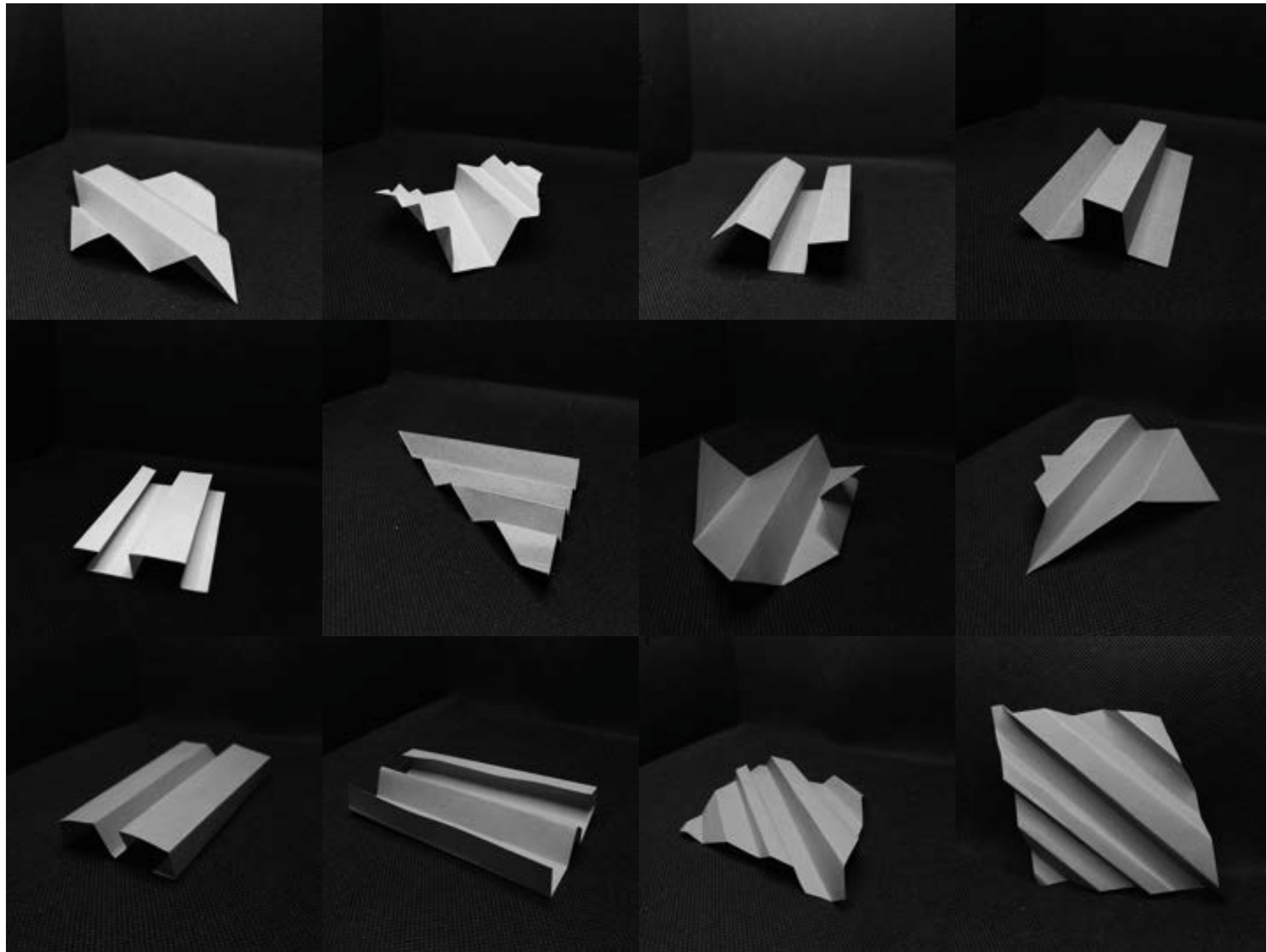
Linear Fold and Diagonal Fold and Grid

The Principle: balance.

The Action: juxtapose

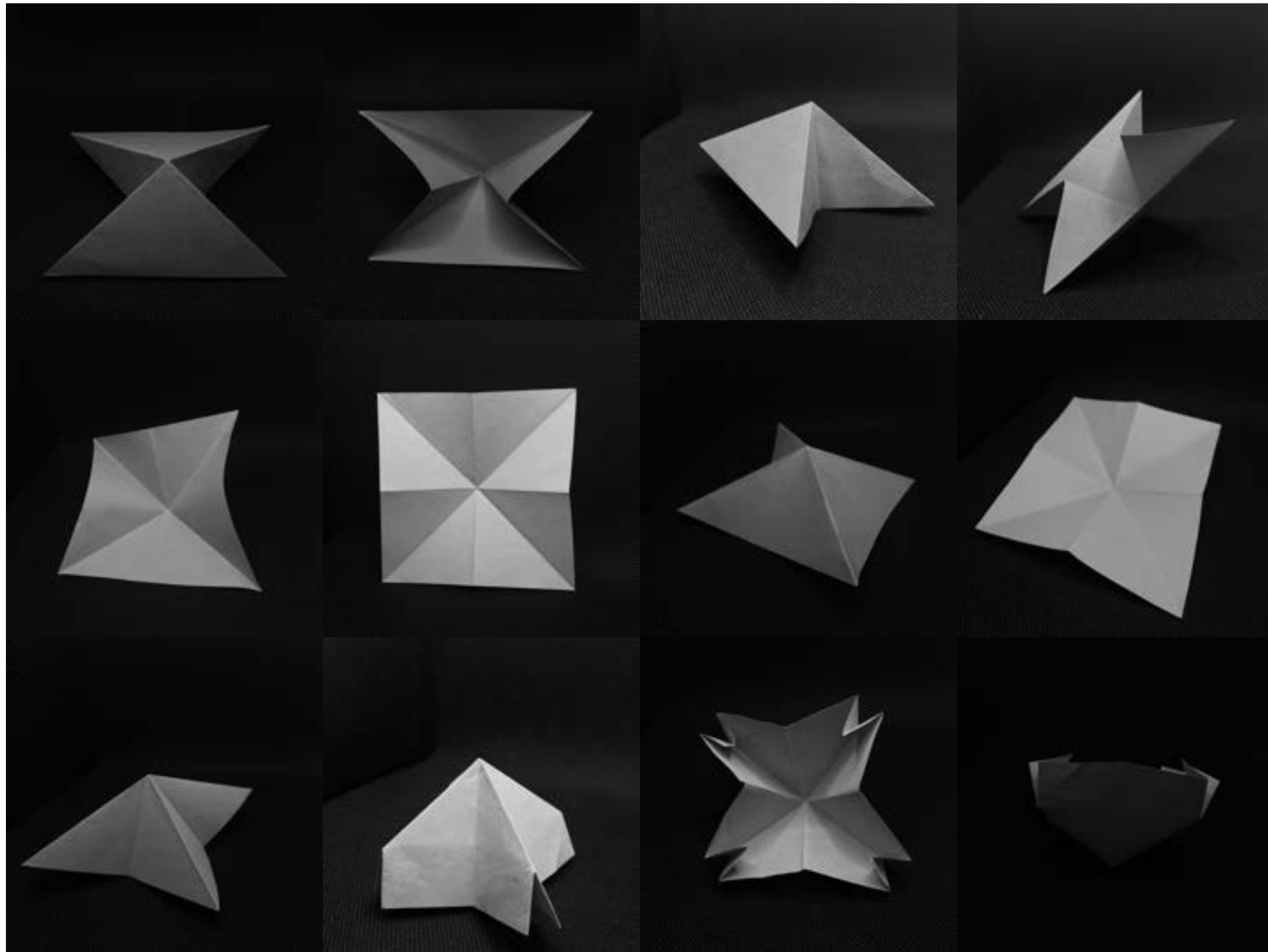
Problem: For the linear fold, the measurement was not correct; therefore, not all the lengths were equal. The grid is confused also is hard to take a photograph.

Solution: use ruler or the cutting mat.



## Phase #01 — Explorations / Experiments / iterations

Linear Fold and Diagonal Fold  
Linear fold cutting half  
Incremental Pleats  
Unbalance spaces  
The Principle: structure.  
The Action: extrude



## Phase #01 — Explorations / Experiments / iterations

Process: The folding should be equal and also able to translation, reflection, rotation and balance.

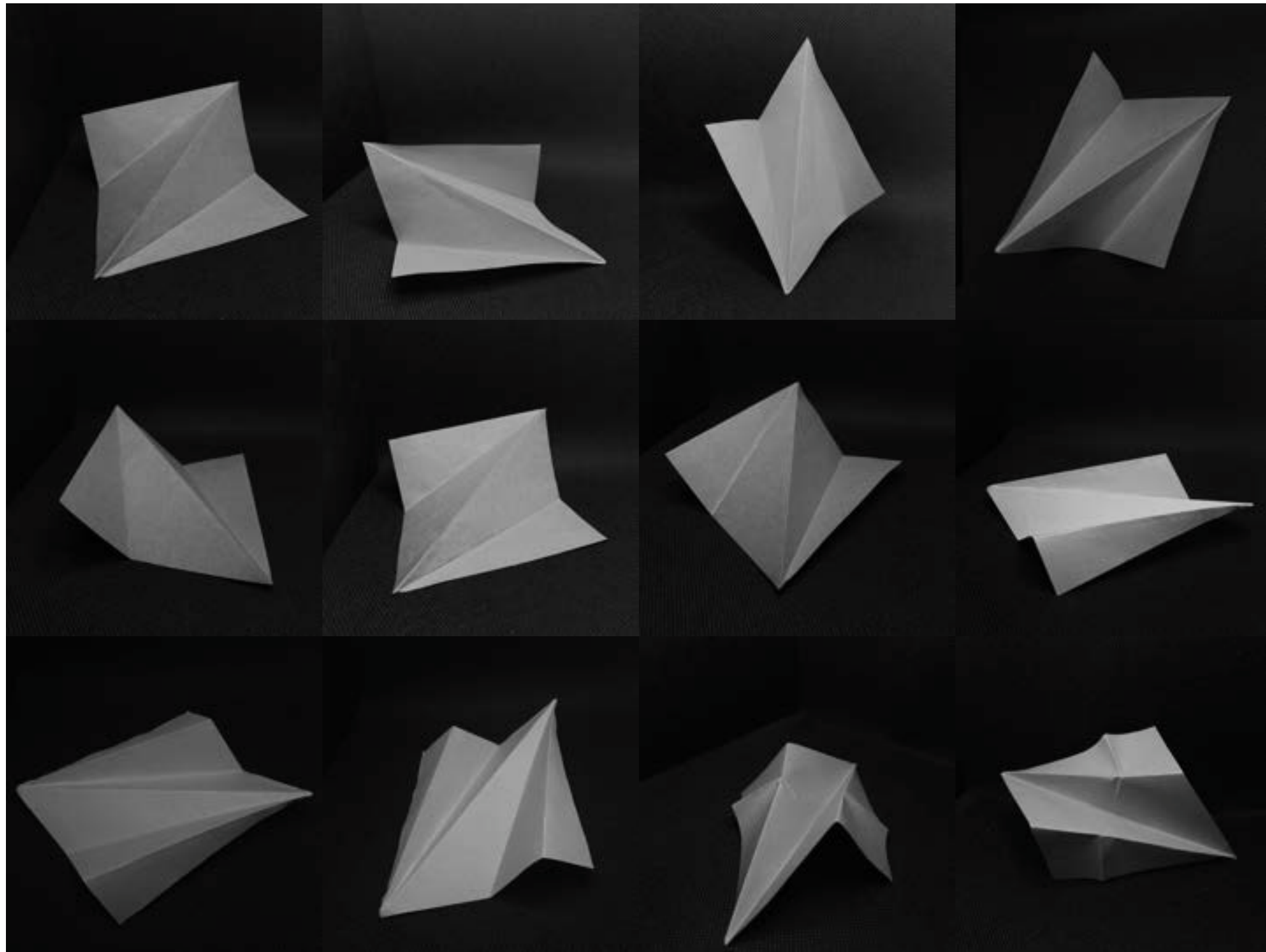
Symmetrical Repeat (Translation)

The Principle: balance.

The Action: mirror

Problem: Unbalanced, can not stand by flat and crooked as a morph.

Solution: If the design can be rotate, maybe the fold should not be flat or did not use the folding bone.



## Phase #01 — Explorations / Experiments / iterations

Process: After so many failed, this is the one i would consider can be displayed as much visual design. After all, not only stand (need support) also can be flat.

Symmetrical Repeat (Translation)

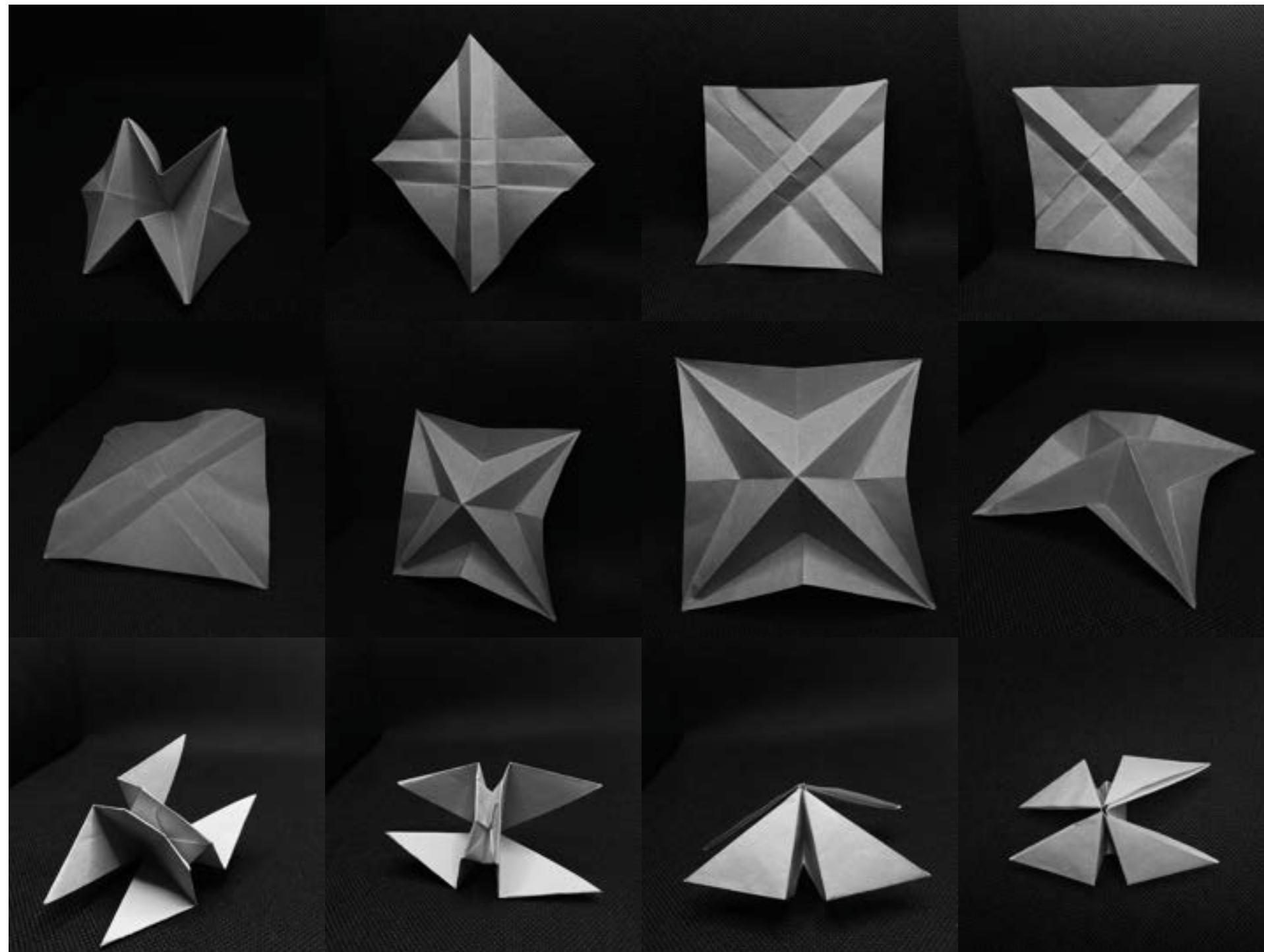
The Principles: balance.

The Action: reflect

Problem: Because of the paper quality and not being careful enough, I left many wrinkle on the paper.

Solution: Try different types of paper or use additional tools.





## Phase #01 — Explorations / Experiments / iterations

Symmetrical Repeat (Rotation) and Lineae and diagonal mix, Symmetrical repeat-Reflect.

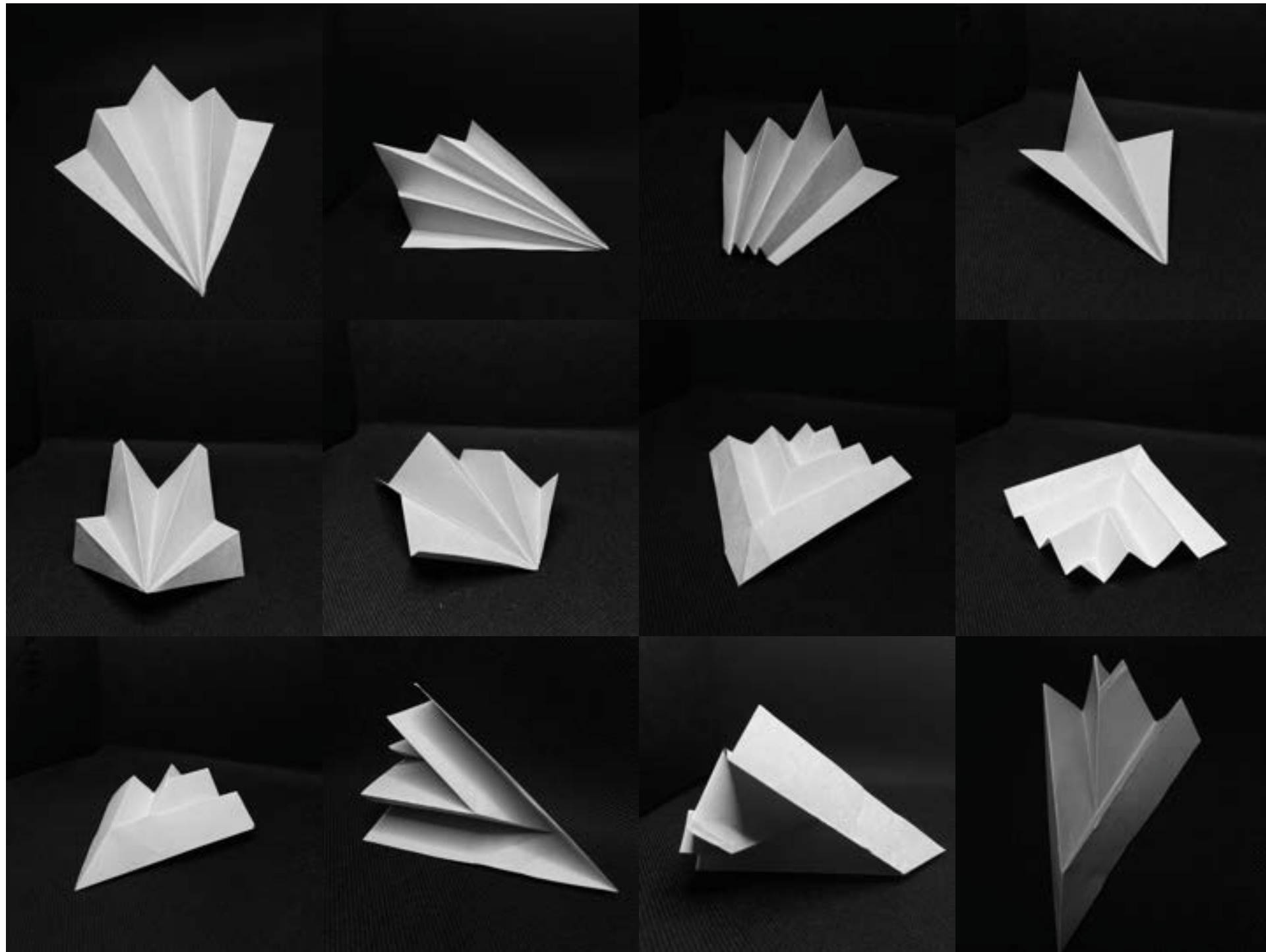
The Principle: Variation

The Action: intersect

Process:It wasn't easy to make the outside shaped like triangles and others after folding.

Problem:Not being careful enough and left with wrinkles on the paper.

Solution:Find additional tools.



## Phase #01 — Explorations / Experiments / iterations

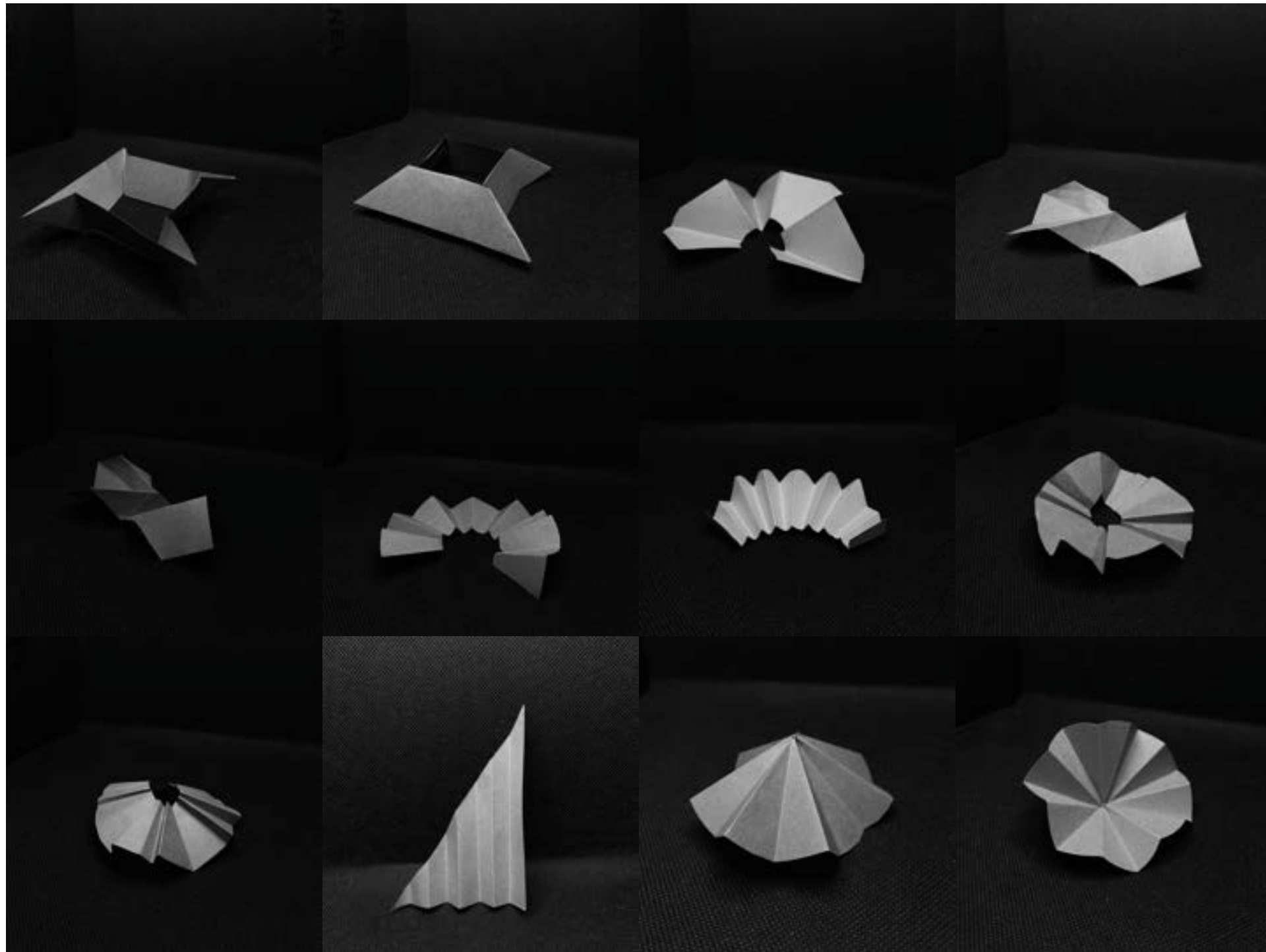
Rotation and Stretch and skew folding

The Principle: attraction

The Action: mirror

Problem: The details are not exquisite(at the corner/head).Wrinkles.

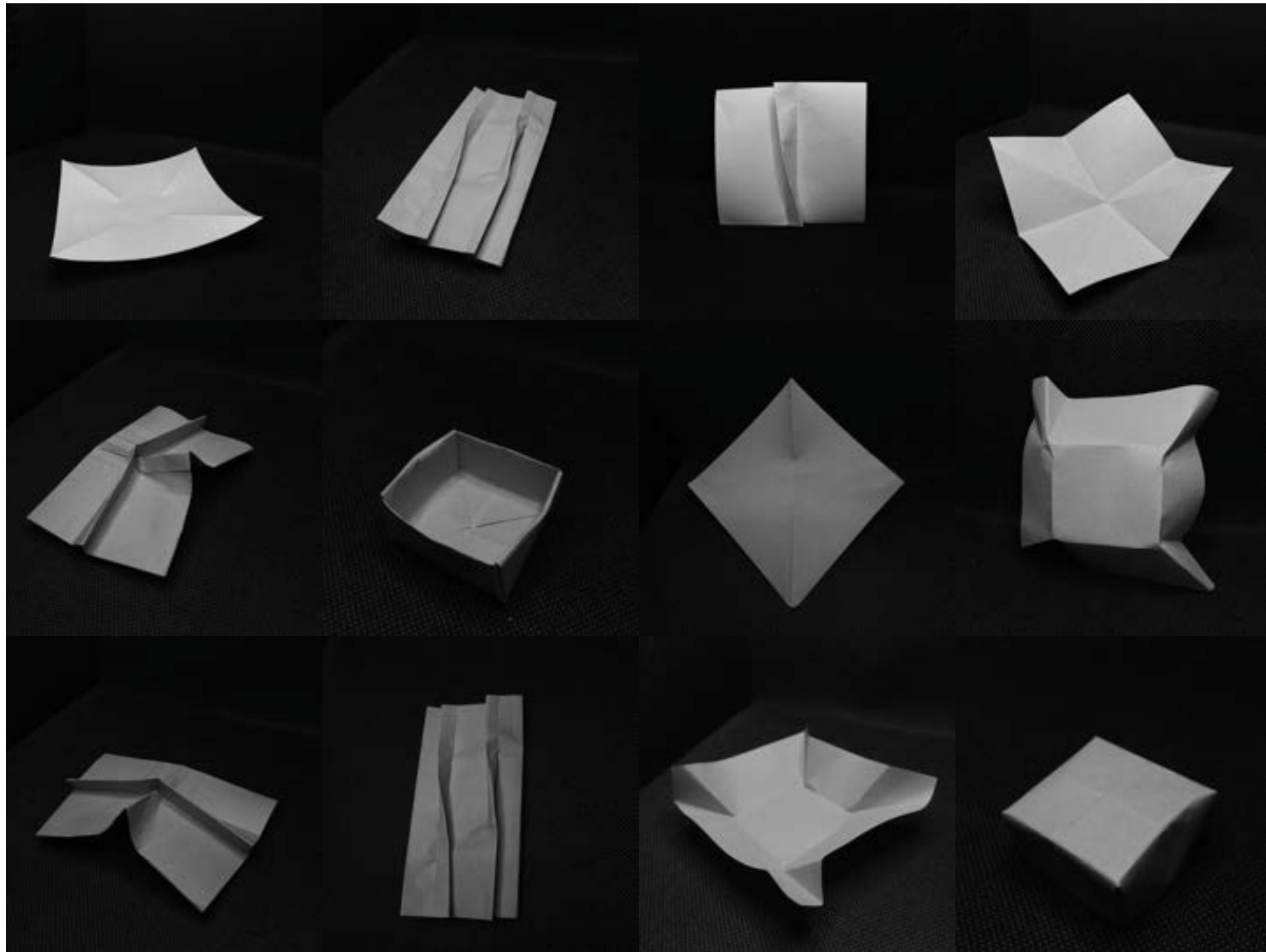
Solution:Keep practices.



## Phase #01 — Explorations / Experiments / iterations

Rotational, Cylinders and Cones.  
 Liner half cut fold.  
 The principle: structure.  
 The Action: subtract



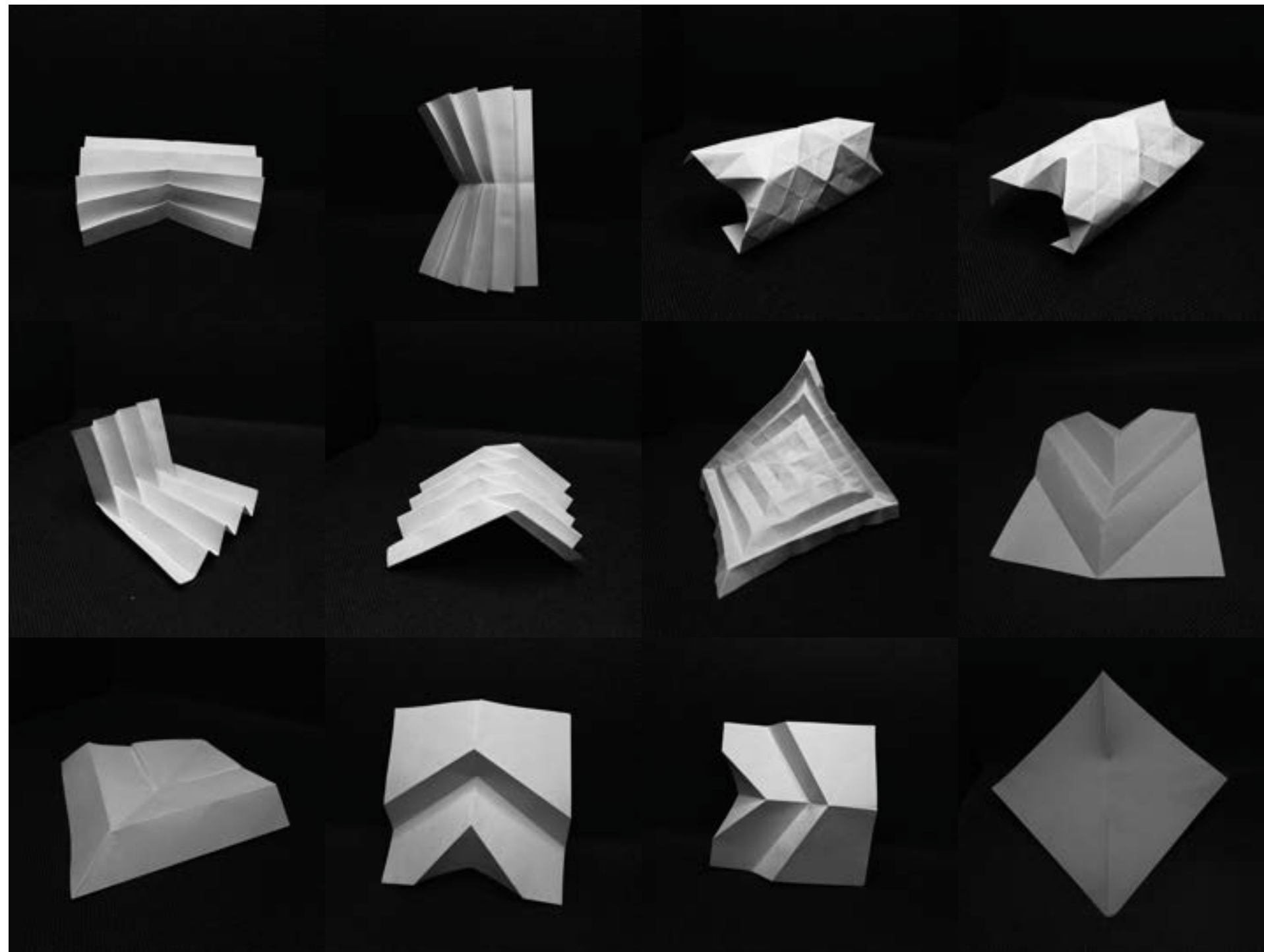


## Phase #01 — Explorations / Experiments / iterations

Twisted Pleats fold

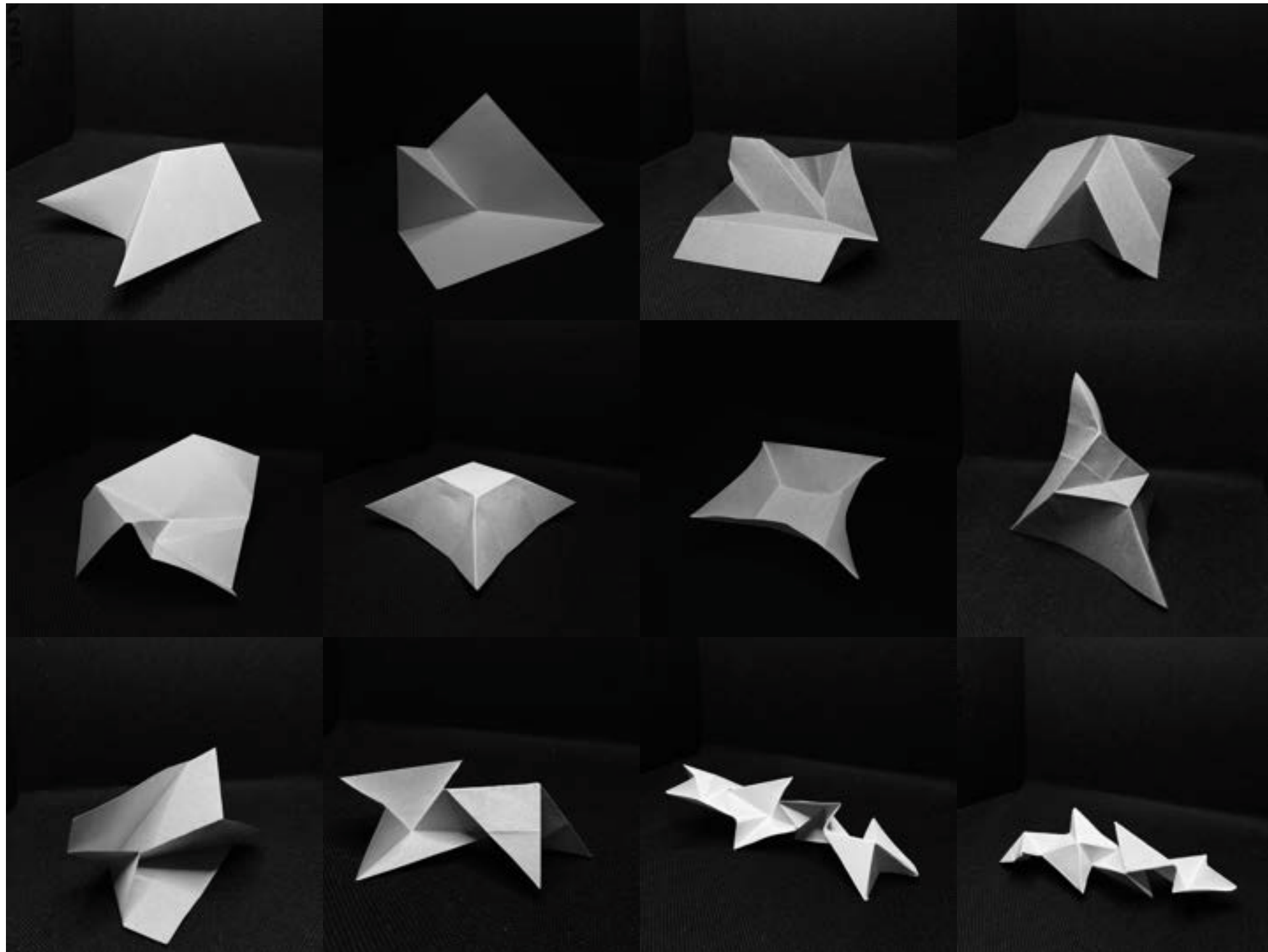
The principle: structure.

The Action: subtract



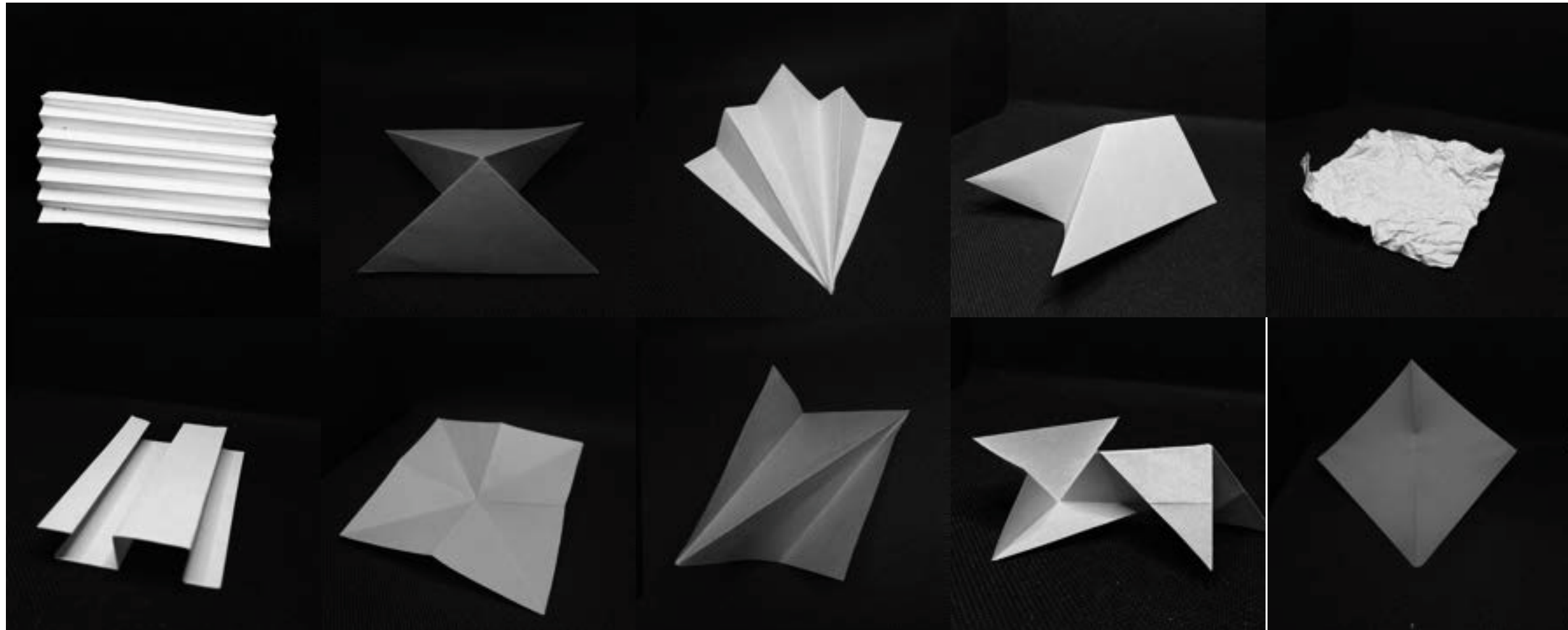
## Phase #01 — Explorations / Experiments / iterations

Stetch and skew, Spans & Parabolas fold  
 V-PLEATS -symmetrically  
 V-fold spans, Knife Pleats  
 Parabolas  
 The principle: harmony  
 The Action: exaggerate  
 The last one is the symbol for a Break

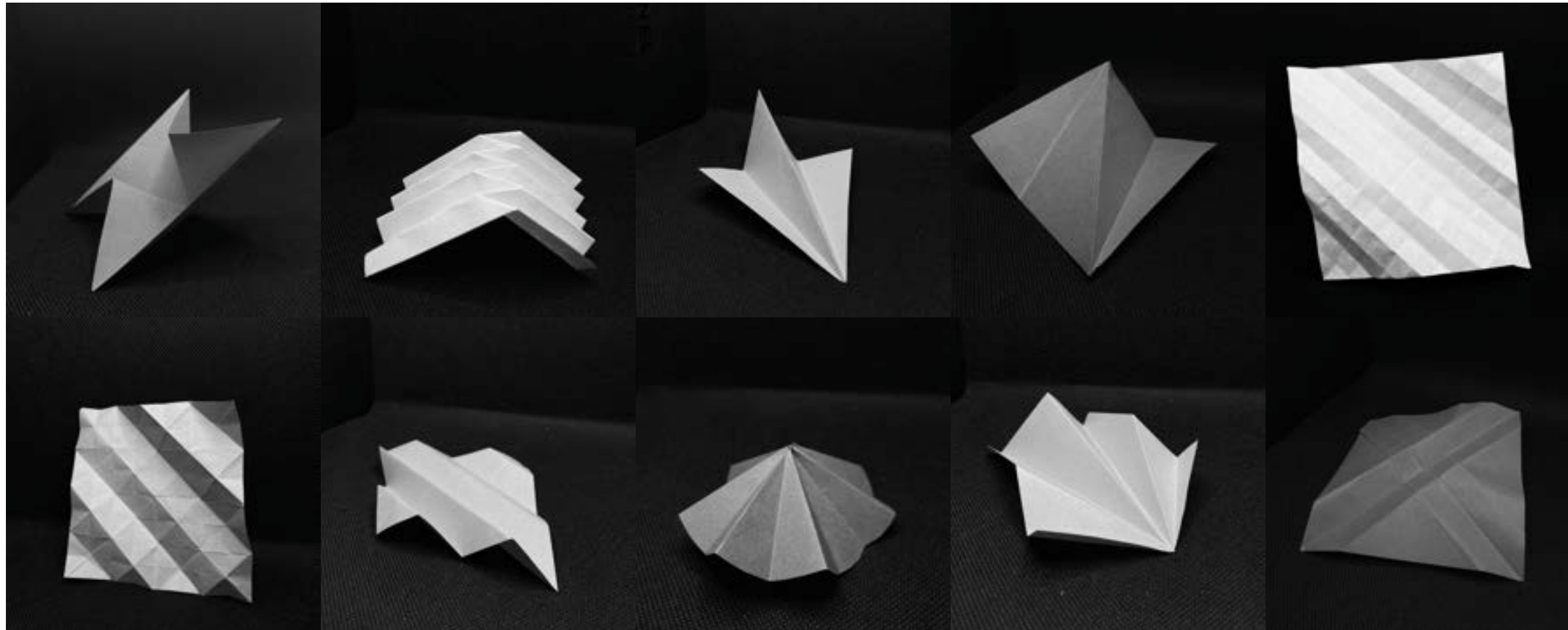


## Phase #01 — Explorations / Experiments / iterations

Bowl fold  
 V-PLANET Variations  
 Basic V-Pleats-symmetry  
 Glide reflection-Symmetrical Repeats  
 The principle: continuity  
 The Action: extrude



**Phase 1 — 20 Featured Forms from Form Library**



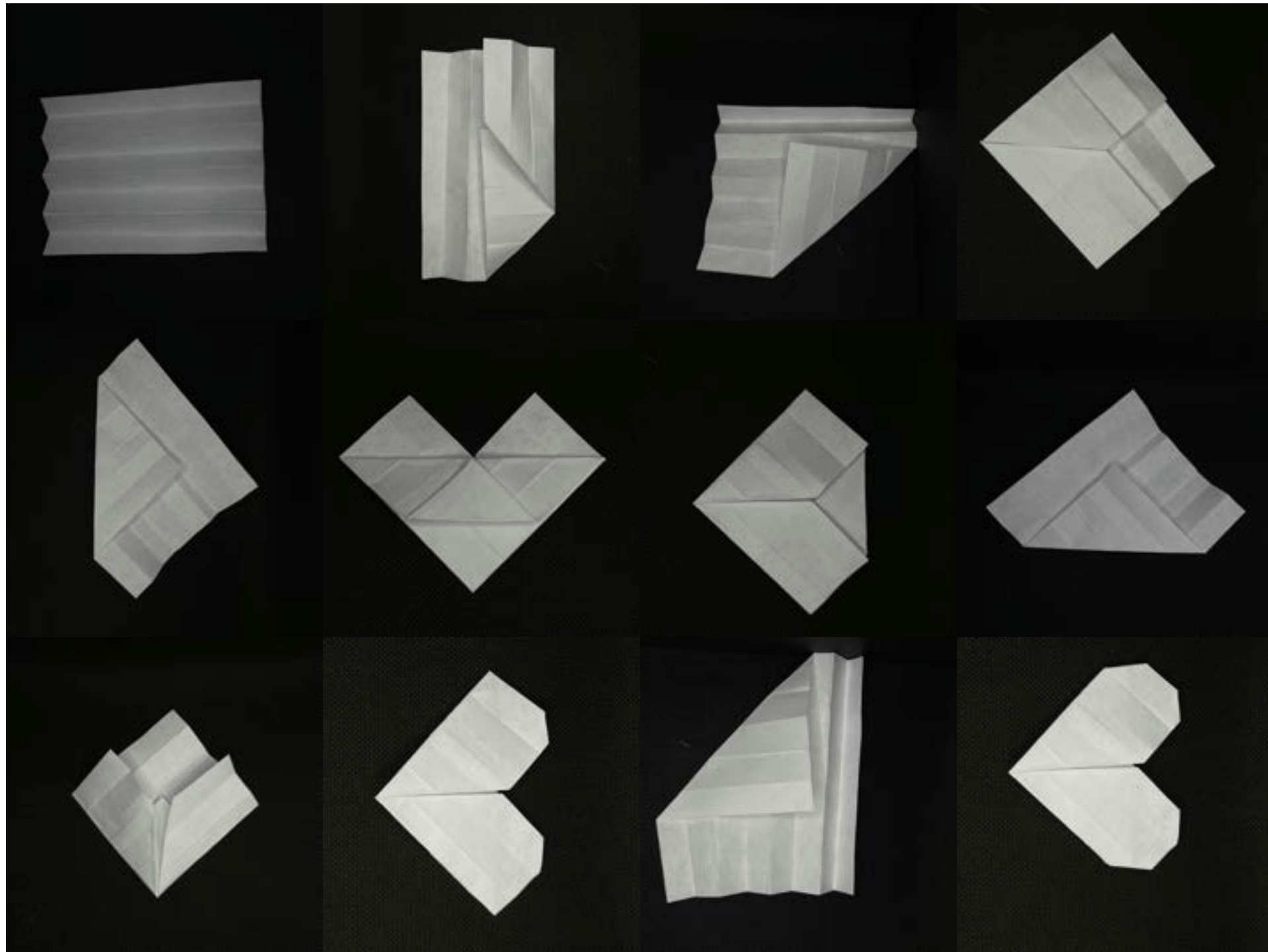
**Phase 1 — 20 Featured Forms from Form Library**



**Queenii Chong Zheng**

**[Phase 2: Sequence]**

**Project 1 Final Submission**  
GRPH 1002  
Design Process 2

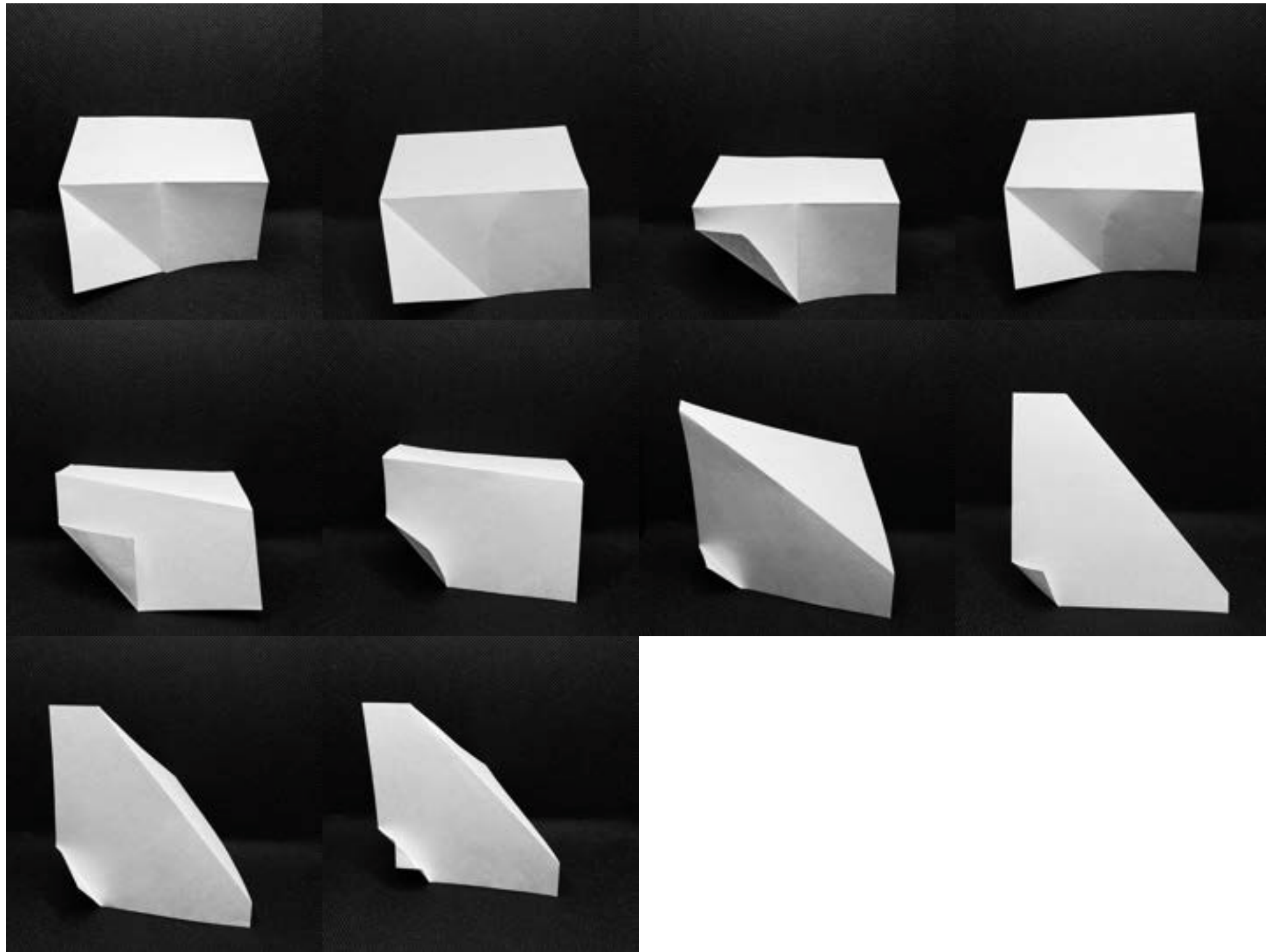


## Phase #02 — Explorations / Experiments / iterations

### FAILED

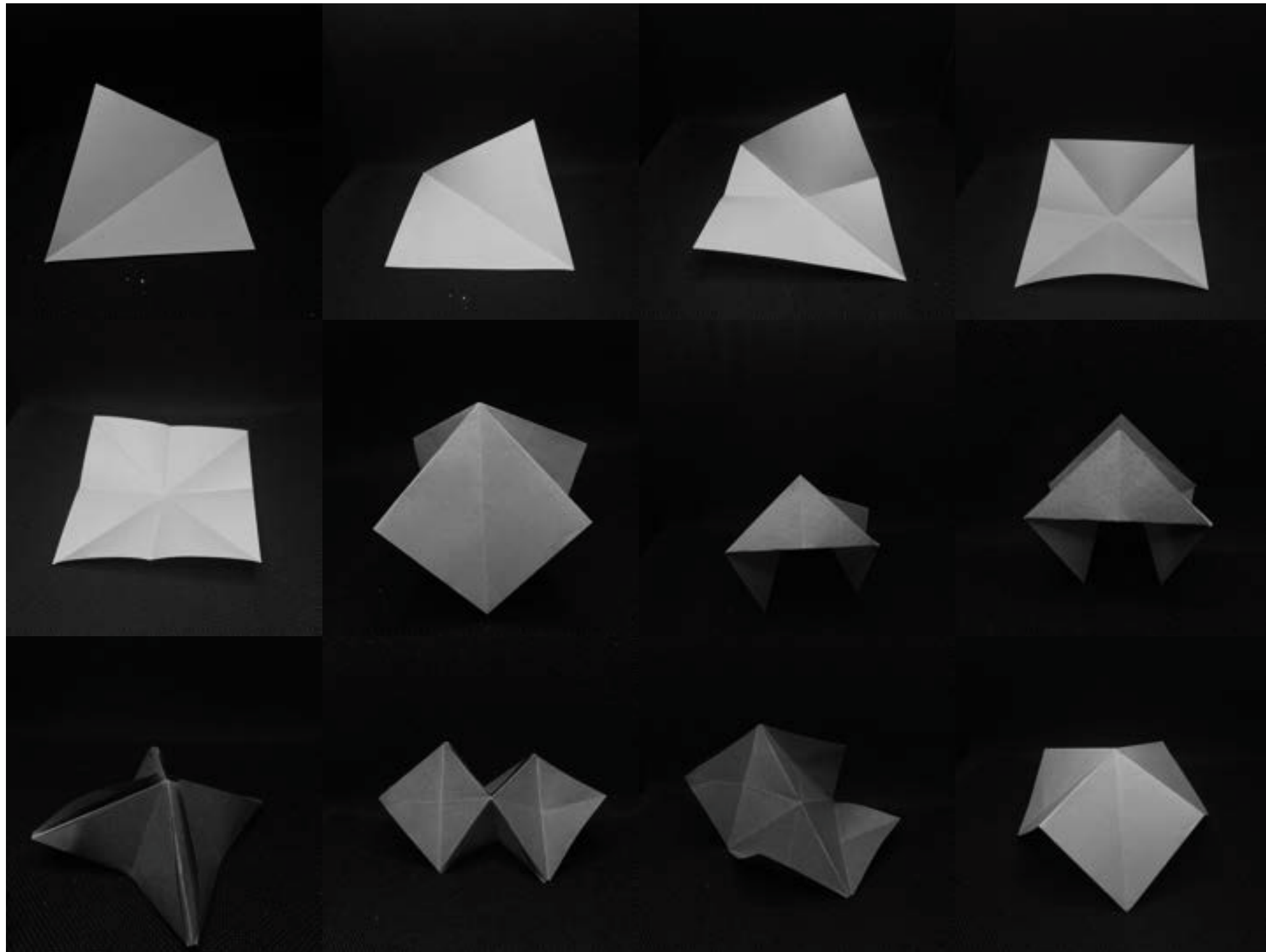
For the Phase 2"Sequence" is quite a struggle. On the one hand, I have so many opportunities to create. but in another hand, I want to determine the outcome instead of just let it become unknown. (i was scared that my gif or my process won't work as I expect )

So I pick one of my linear folds and start folding forwards until it became a heart shape. Again, when I start folding, I already plan what the outcome is.



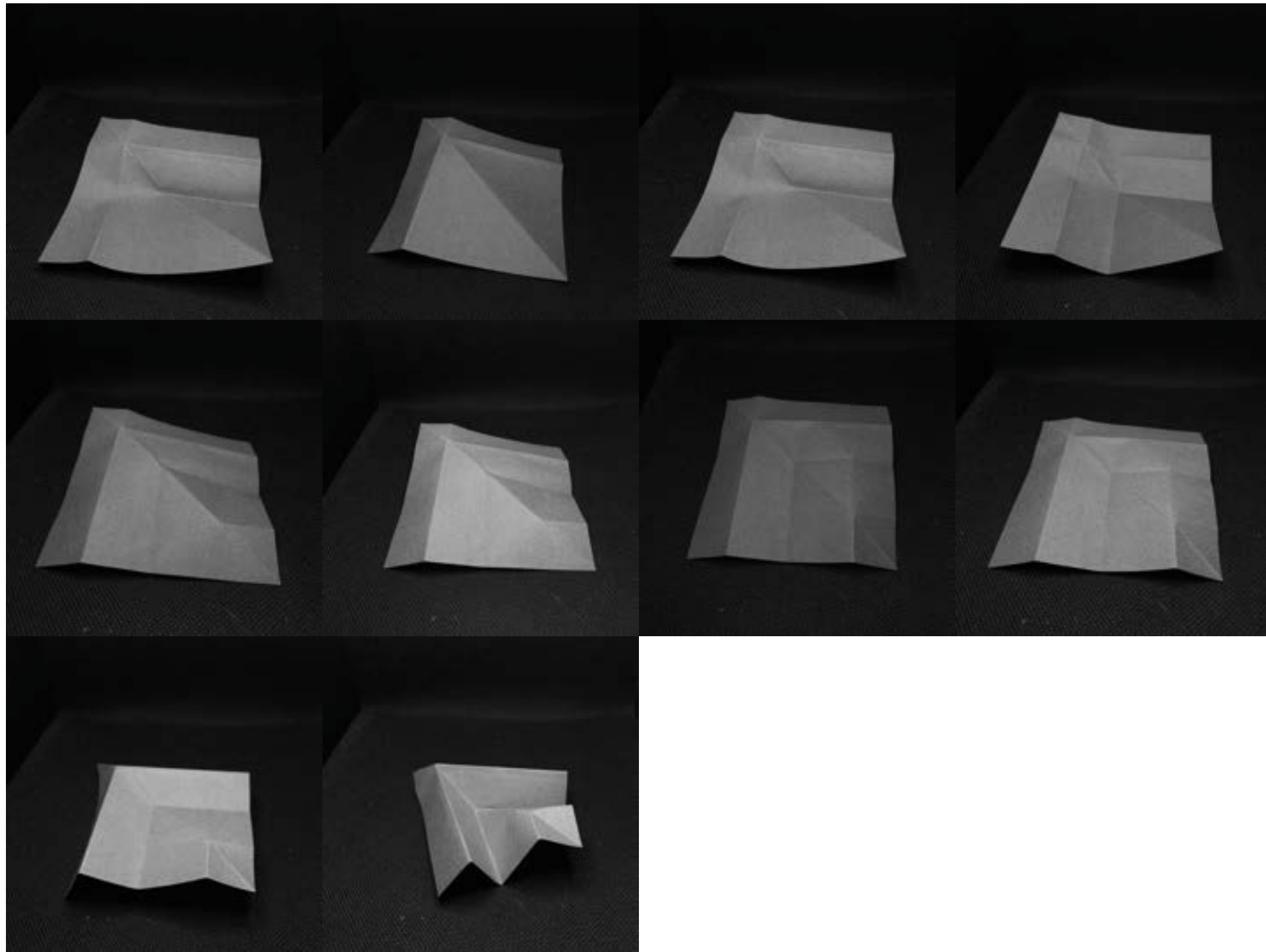
## Phase #02 — Explorations / Experiments / iterations

For pratics  
i failed the first attempt so i start to explore more,this is i didnt do GIF.



## Phase #02 — Explorations / Experiments / iterations

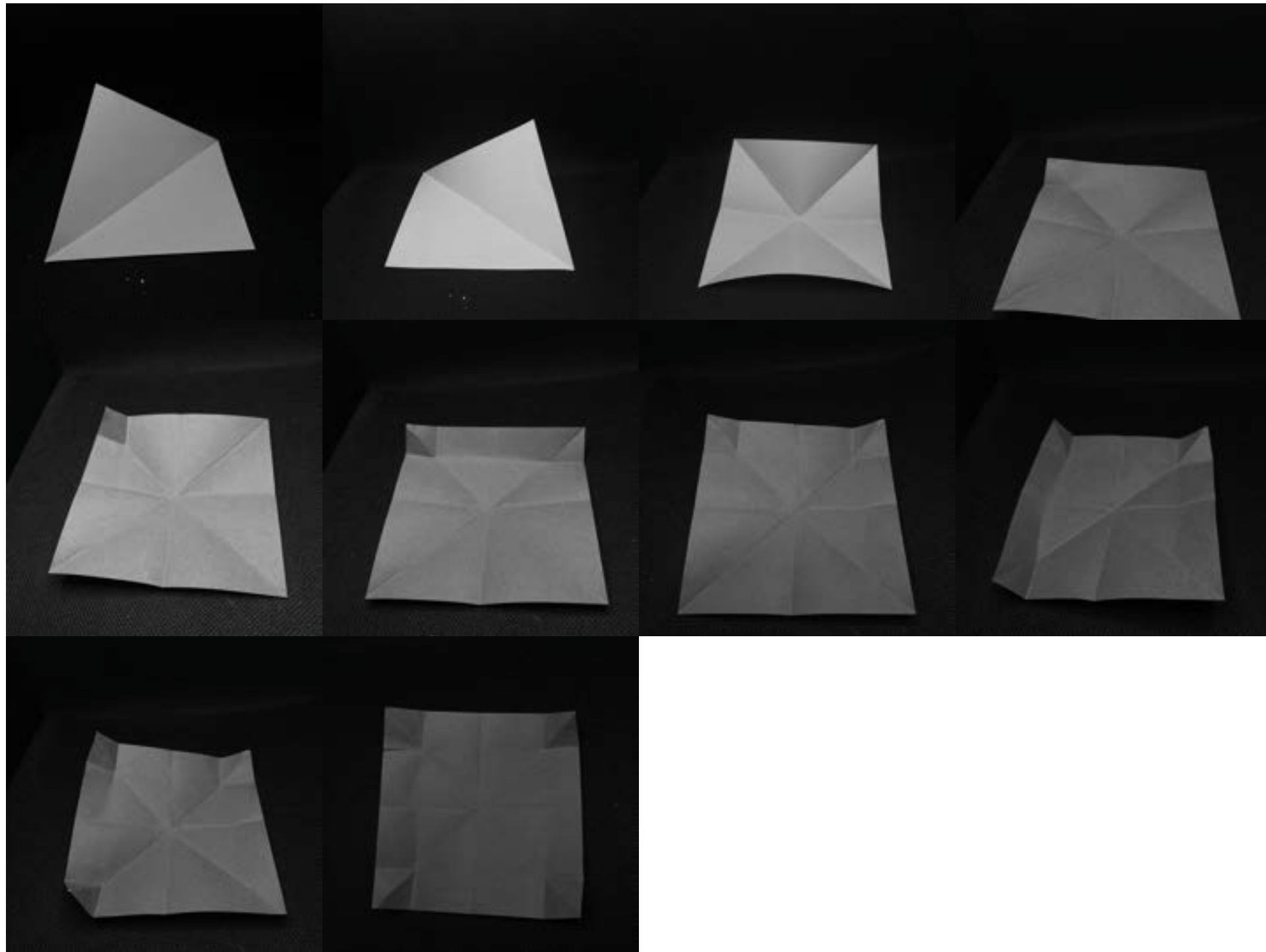
Using the simple lines fold transfer 10 stpes to Symmetrical Repeat fold .total step is 11 stpes



## Phase #02 — Explorations / Experiments / iterations

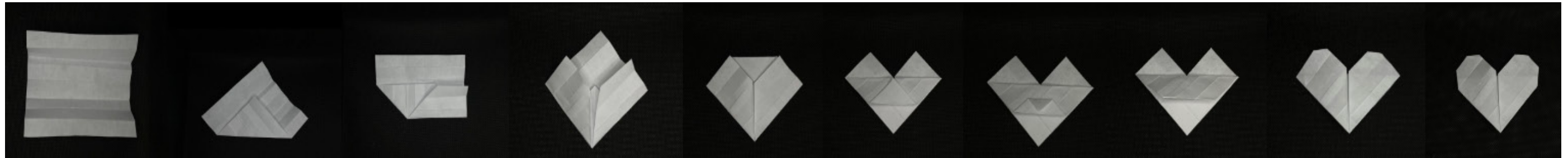
By using simple linear fold to Stretch and Skew fold ,totoal stpes is 10 steps



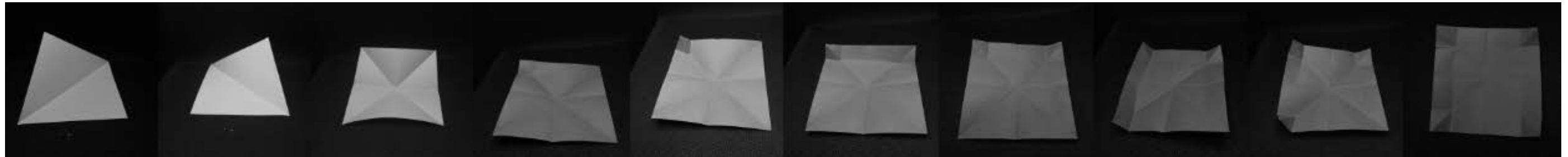
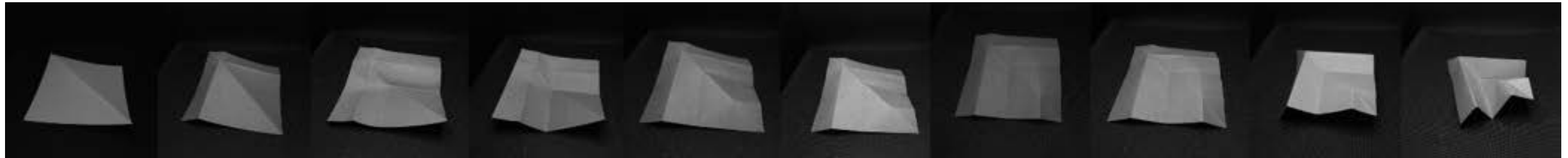


## Phase #04 — Explorations / Experiments / iterations

This is very similar to grid ,but this is Incremental Pleats fold.total step is 10 step.



**Phase 2 — Still Images of Sequence**



**Phase 2 — Still Images of Sequence**

[https://ocaduniversity-my.sharepoint.com/:f:/r/personal/3183334\\_ocadu\\_ca/Documents/P1\\_Phase%202\\_\[QCZ\)?csf=1&web=1&e=jNmaue](https://ocaduniversity-my.sharepoint.com/:f:/r/personal/3183334_ocadu_ca/Documents/P1_Phase%202_[QCZ)?csf=1&web=1&e=jNmaue)

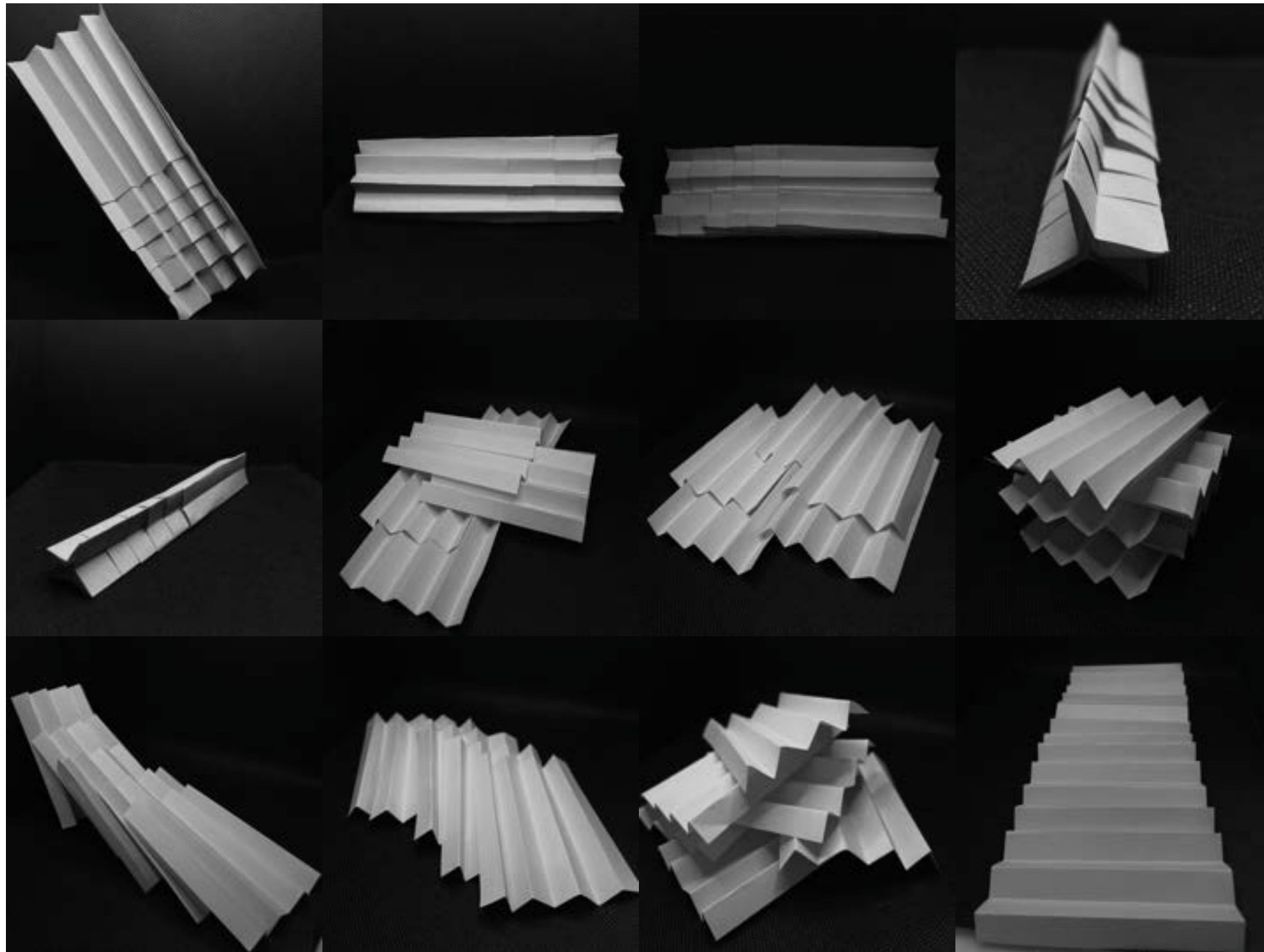
## **Phase 2 — GIFs of Sequence**

**Queenii Chong Zheng**

**[Phase 3: Superstructure]**

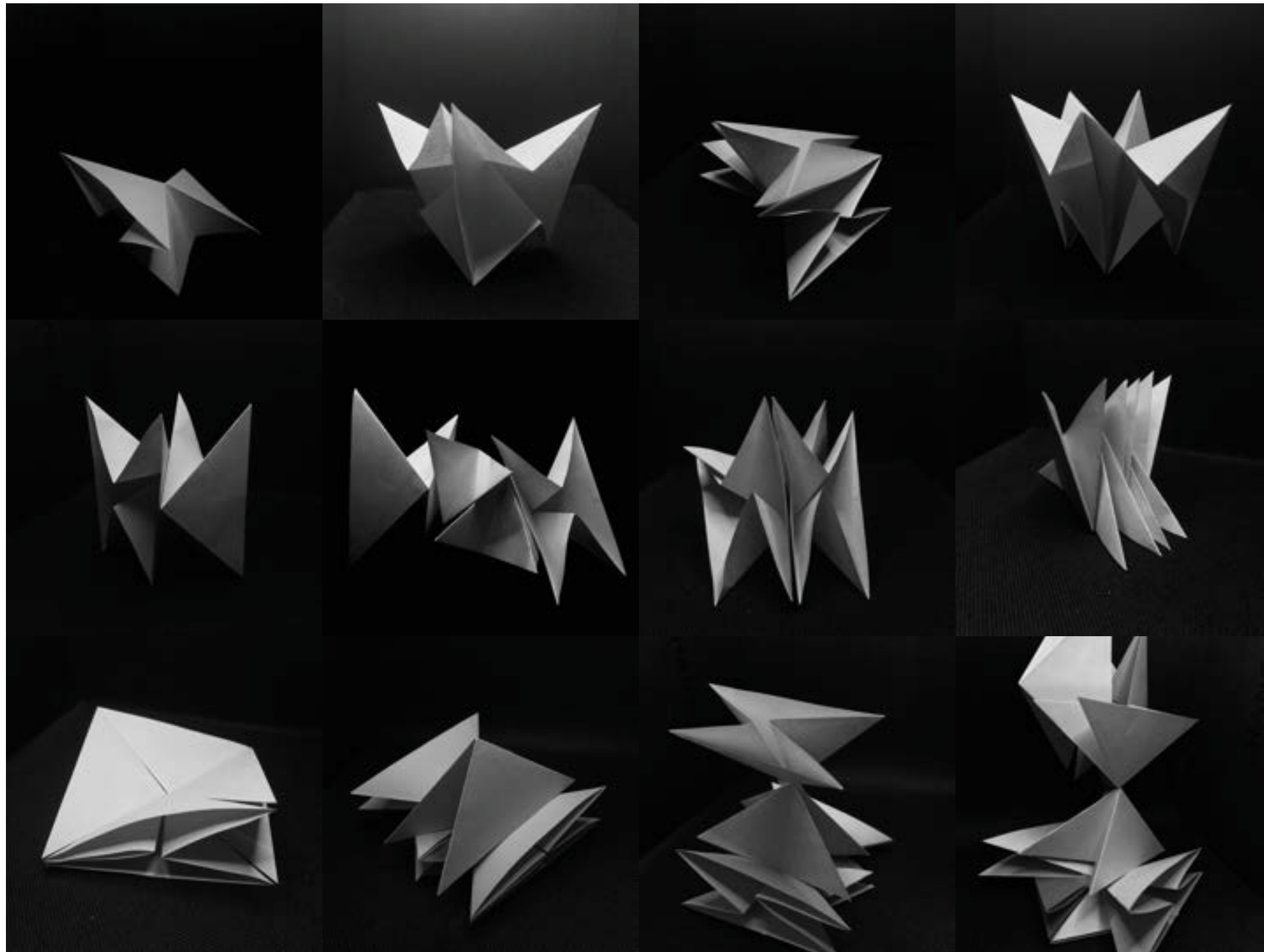
**Project 1 Final Submission**  
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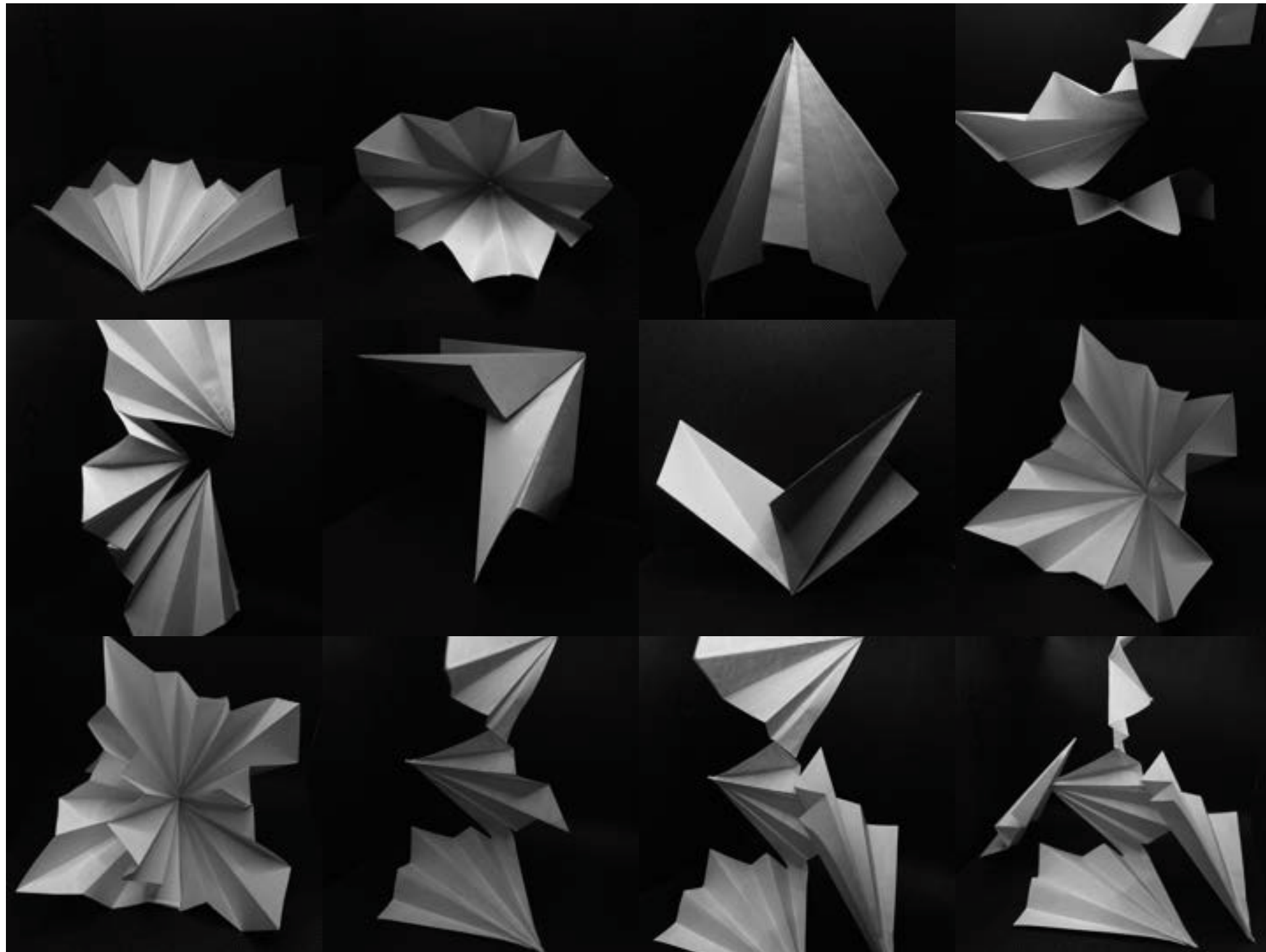
## Phase # — Explorations / Experiments / iterations

The dominant action is overlap.  
The resulting principle is repetition.  
This structure's process uses multiple basic linear forms folding overlapping each other to build up an infinity possibility superstructure.



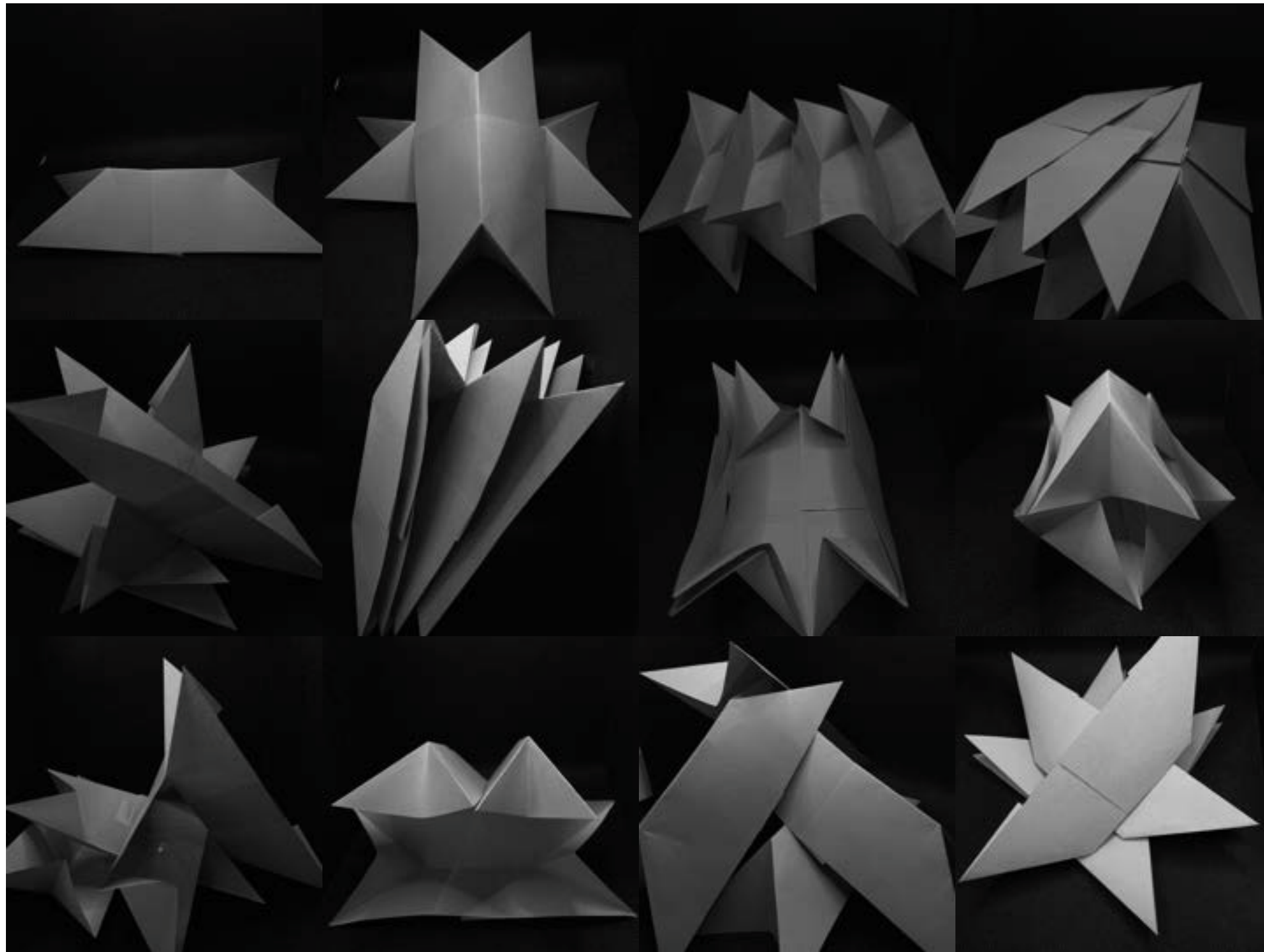
## Phase # — Explorations / Experiments / iterations

The dominant action is mirror  
The resulting principle is aligning.  
This structure's process uses multiple repeat symmetrical forms fold and sticks them together. The object is unbalanced but still can standup itself at all angles.



## Phase # — Explorations / Experiments / iterations

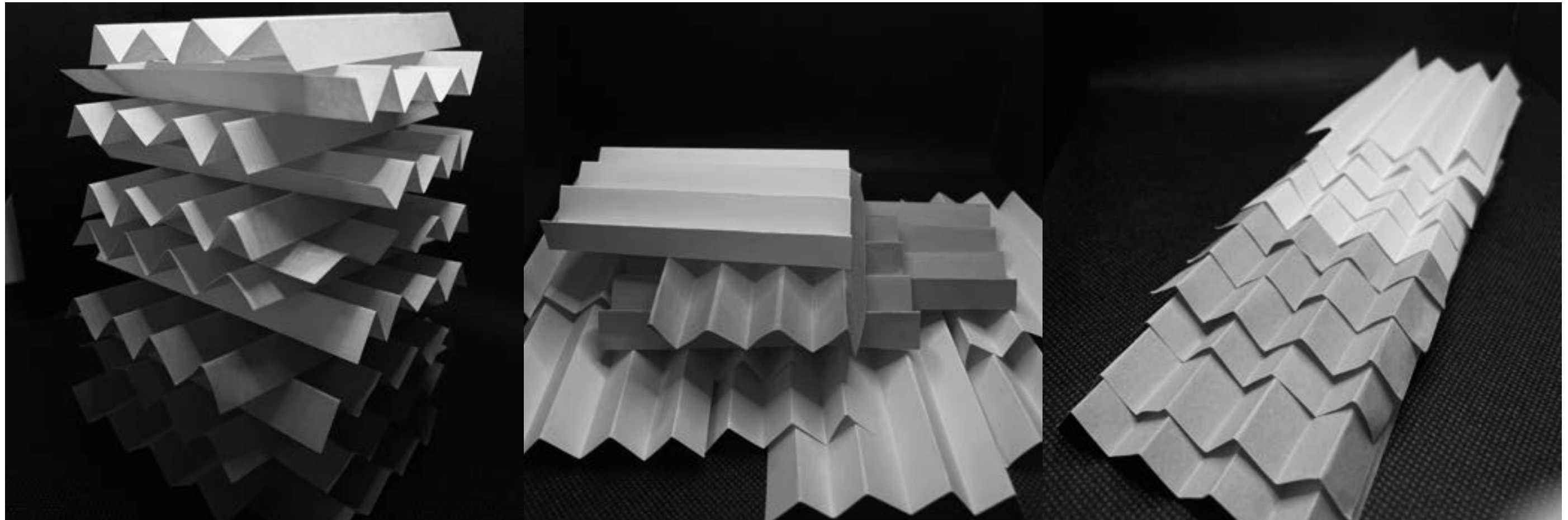
The dominant action is overlapping.  
The resulting principle is structure.  
This structure uses two rotational forms folds to overlap one to another.



**Phase # — Explorations / Experiments / iterations**

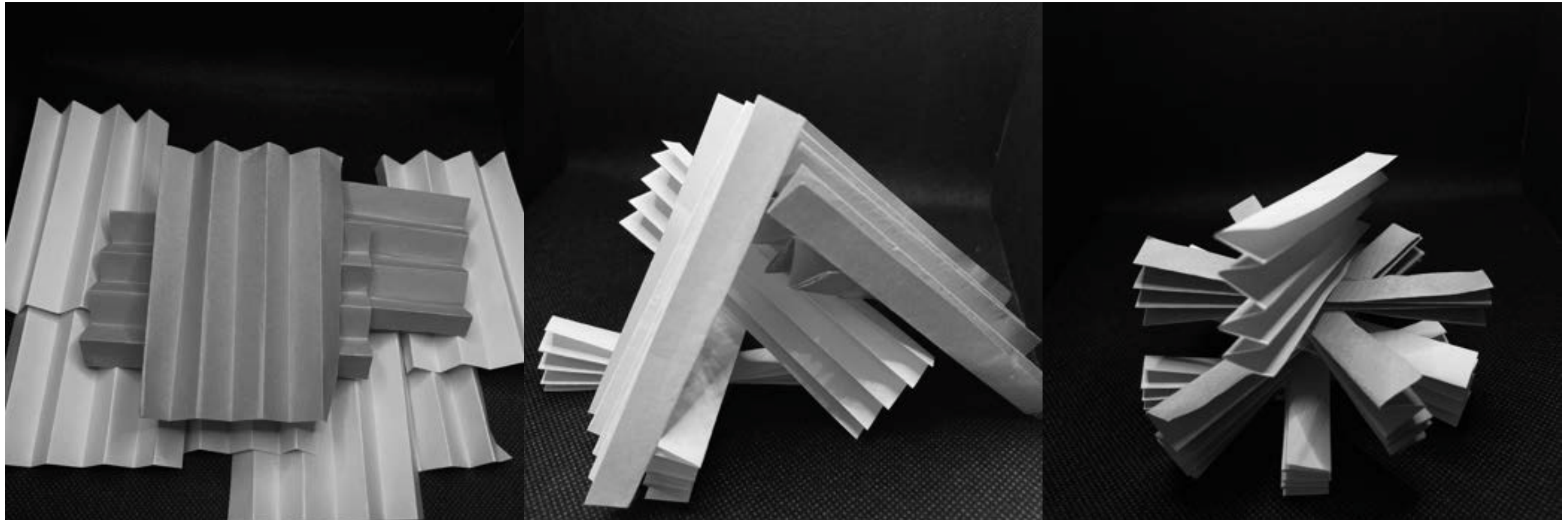
The dominant action is overlapping.  
The resulting principle is continuity



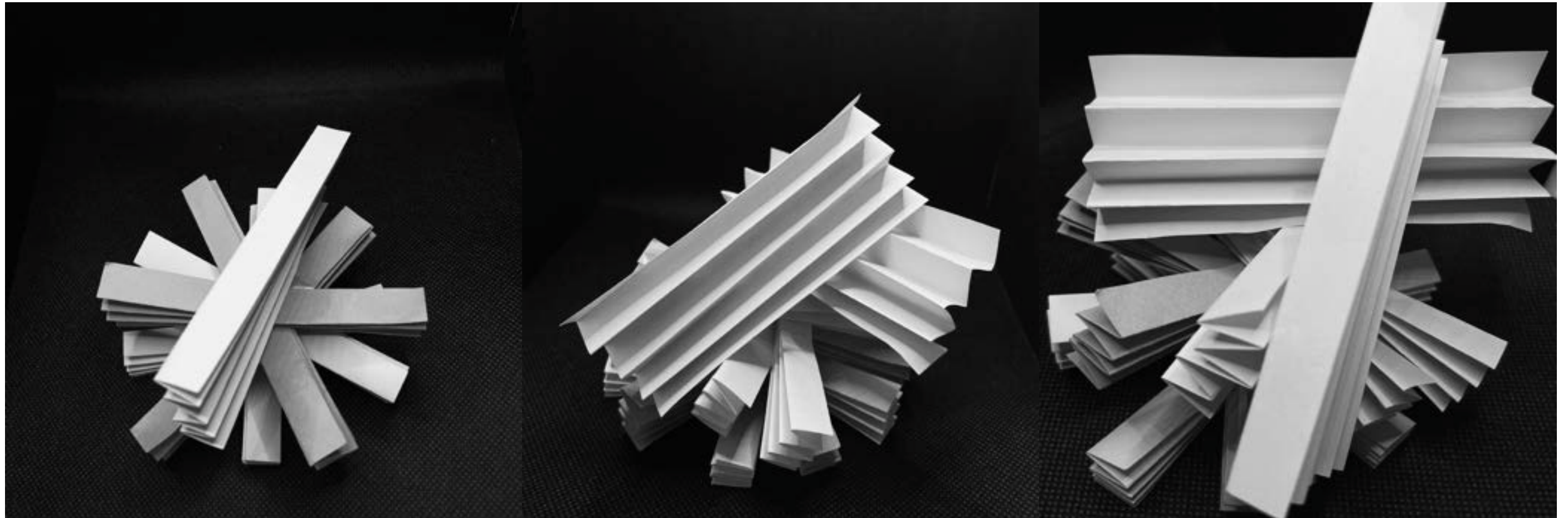


**Phase 3 — 3 Featured Superstructures**





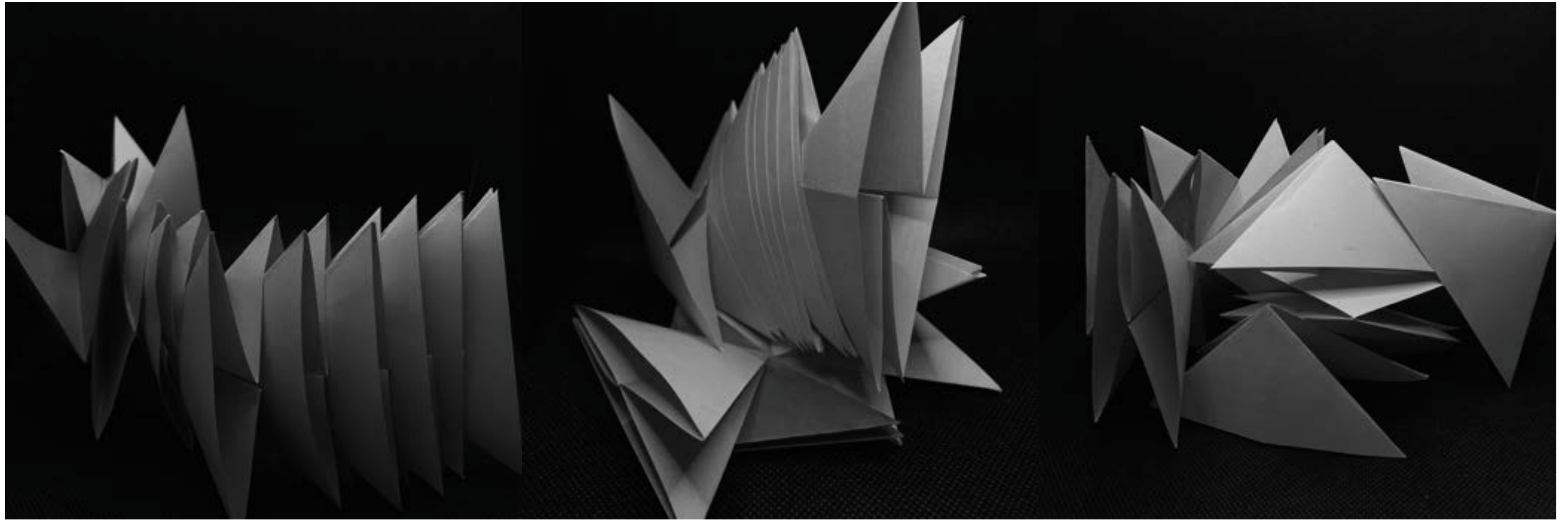
**Phase 3 — 3 Featured Superstructures**



**Phase 3 — 3 Featured Superstructures**



**Phase 3 — 3 Featured Superstructures**

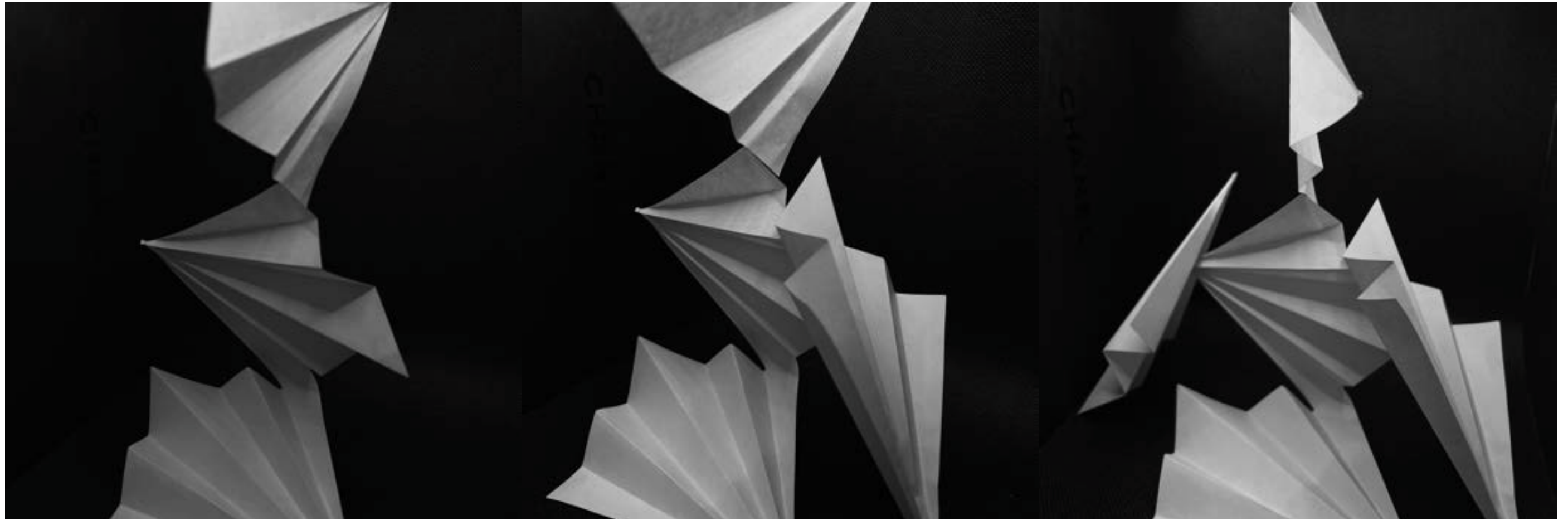


**Phase 3 — 3 Featured Superstructures**

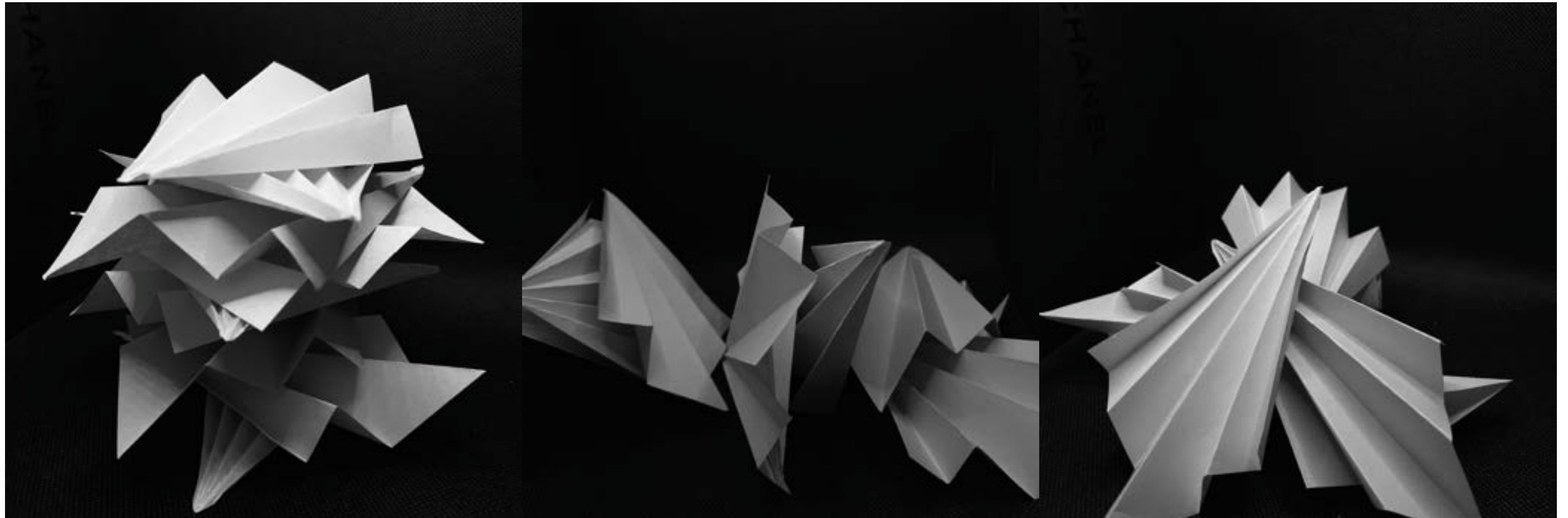




**Phase 3 — 3 Featured Superstructures**

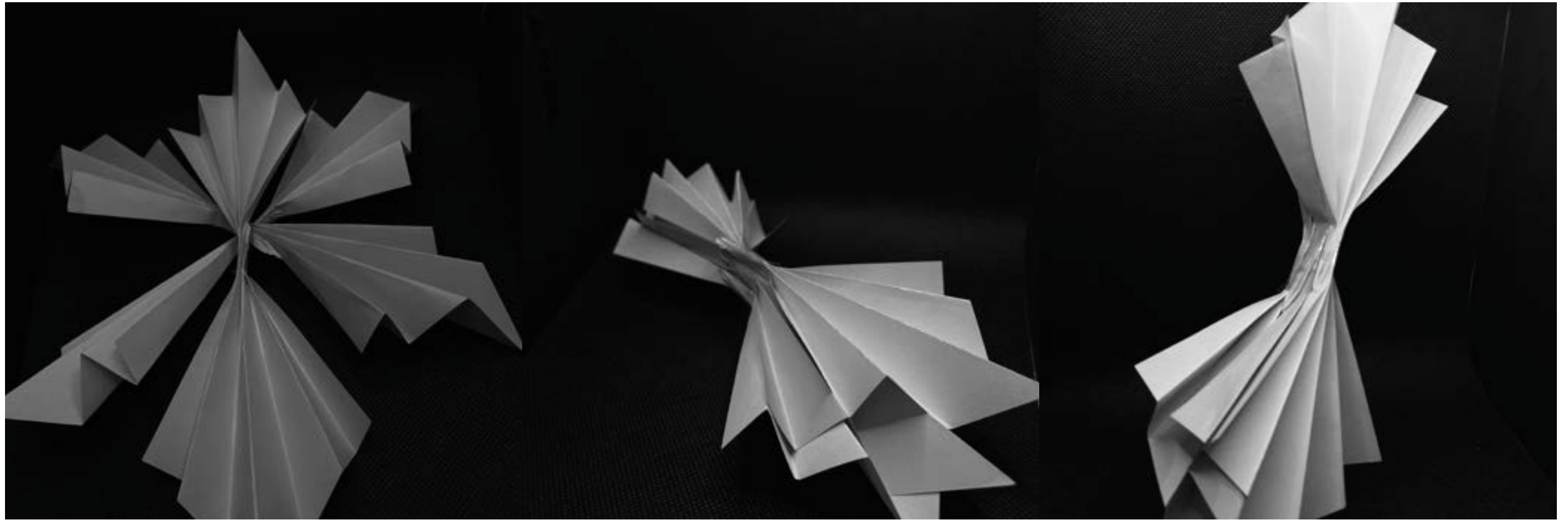


**Phase 3 — 3 Featured Superstructures**



**Phase 3 — 3 Featured Superstructures**





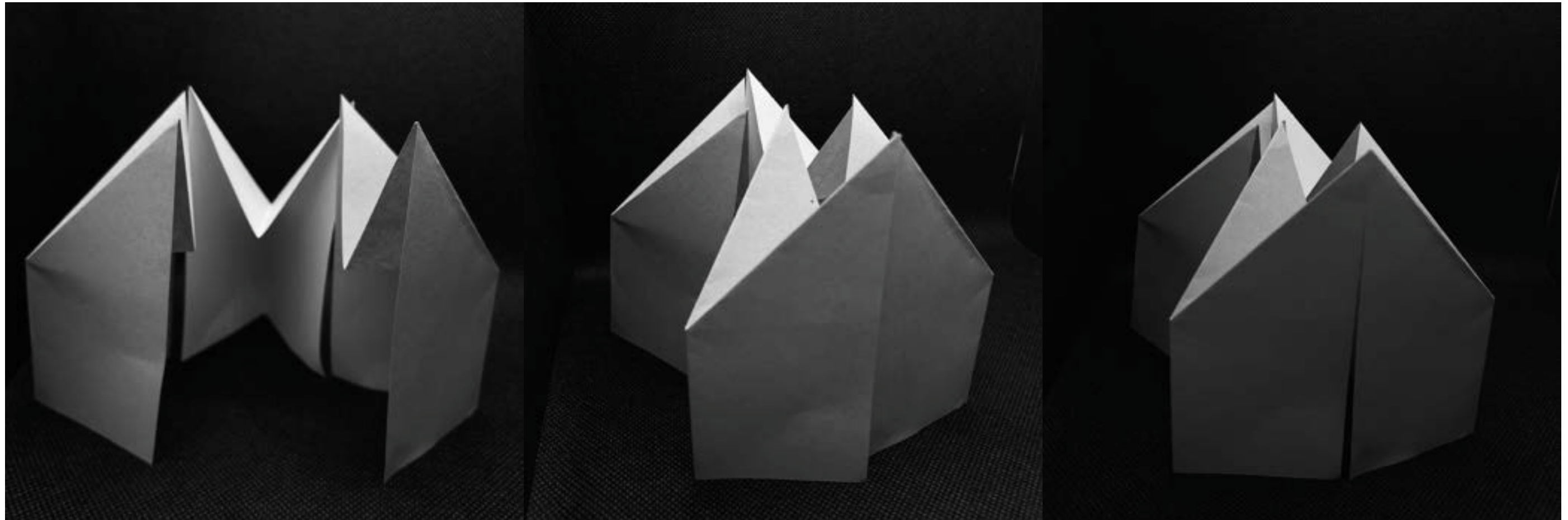
**Phase 3 — 3 Featured Superstructures**



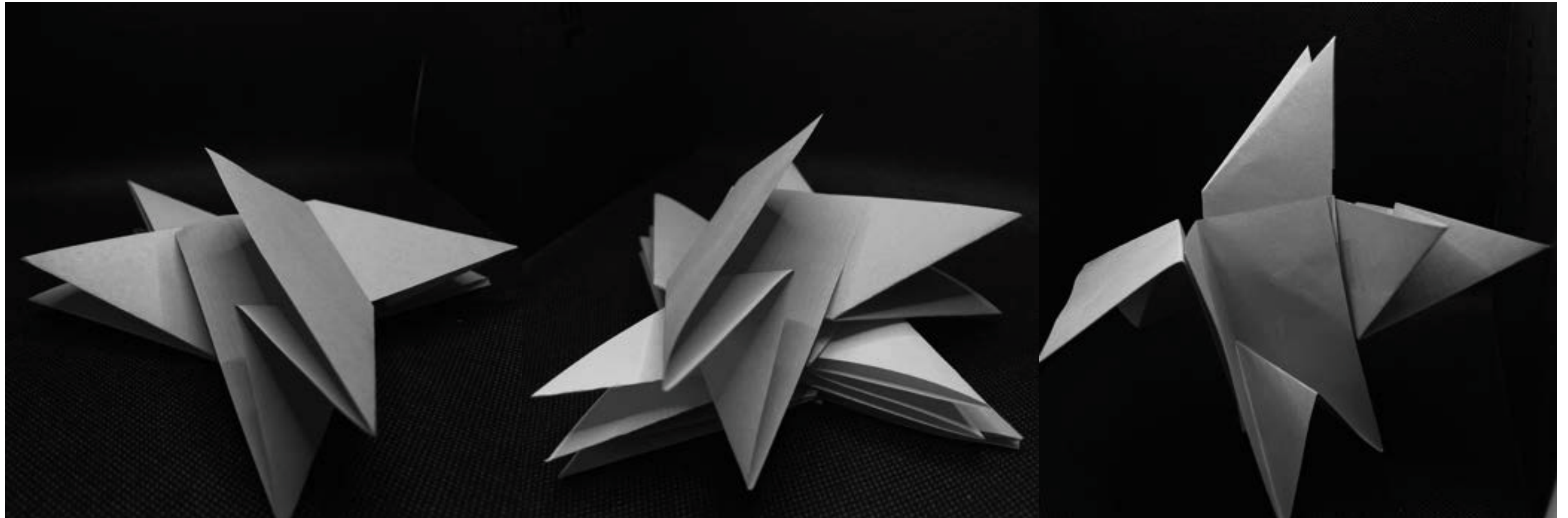
**Phase 3 — 3 Featured Superstructures**



**Phase 3 — 3 Featured Superstructures**



**Phase 3 — 3 Featured Superstructures**



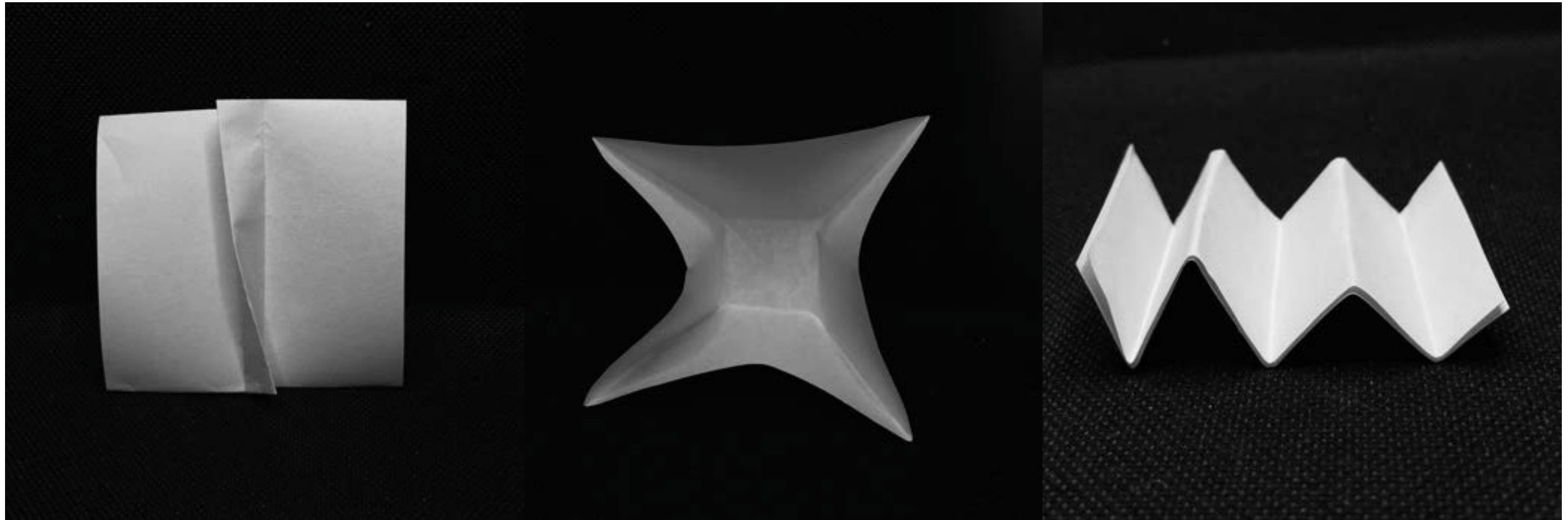
**Phase 3 — 3 Featured Superstructures**



**Queenii Chong Zhneg**

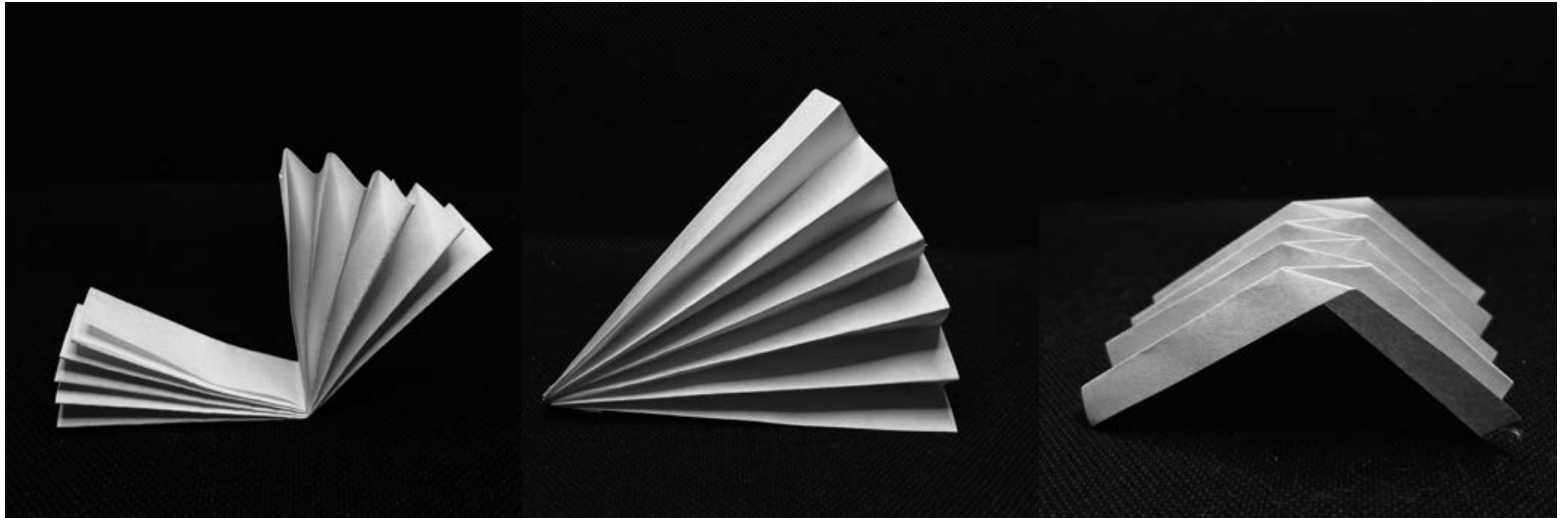
**[Phase 4: Material+]**

**Project 1 Final Submission**  
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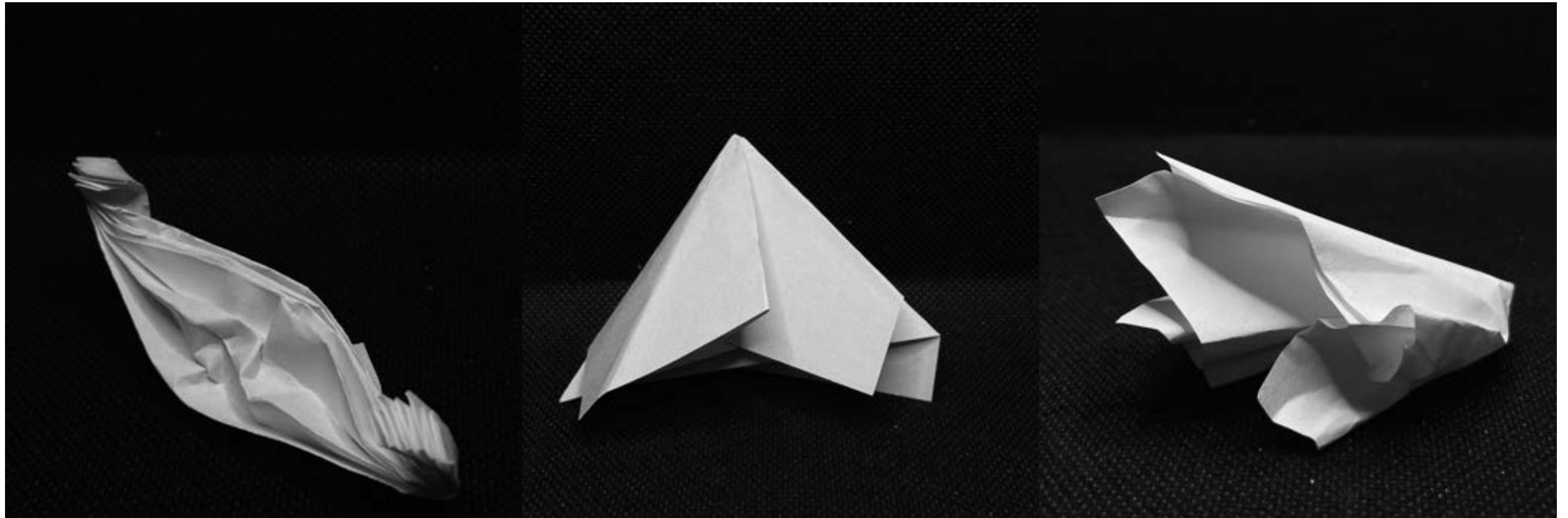


**Phase 4 — Explorations / Experiments / iterations**

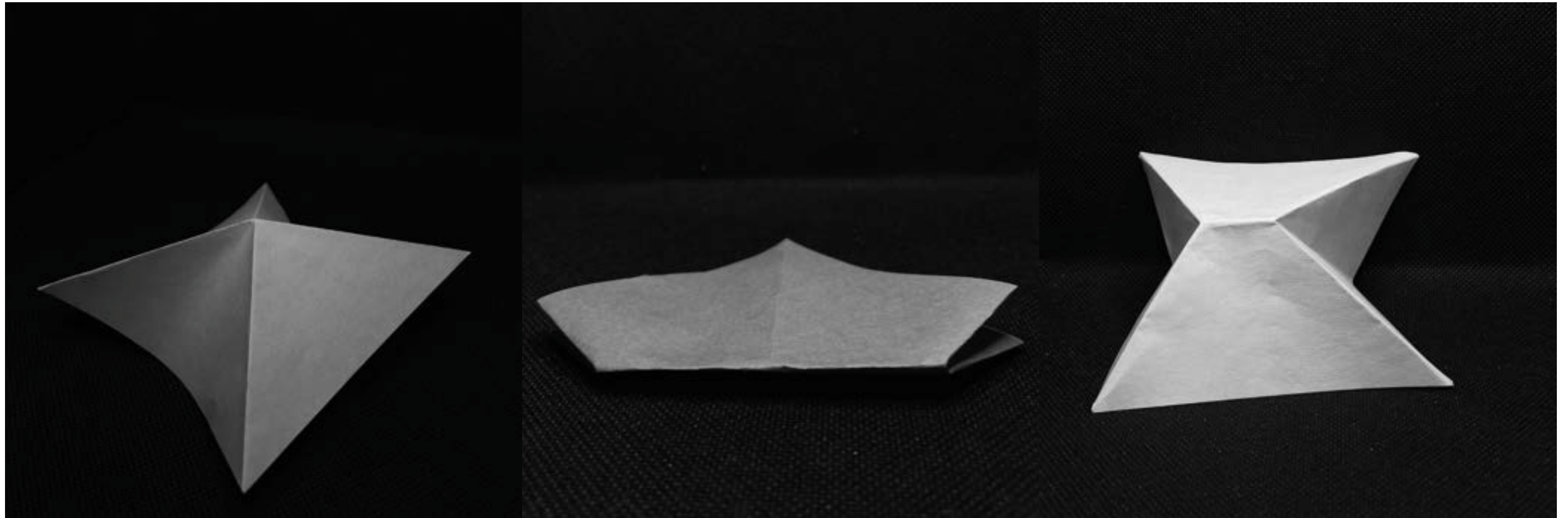




**Phase 4 — Explorations / Experiments / iterations**



**Phase 4 — Explorations / Experiments / iterations**



**Phase 4 — Explorations / Experiments / iterations**





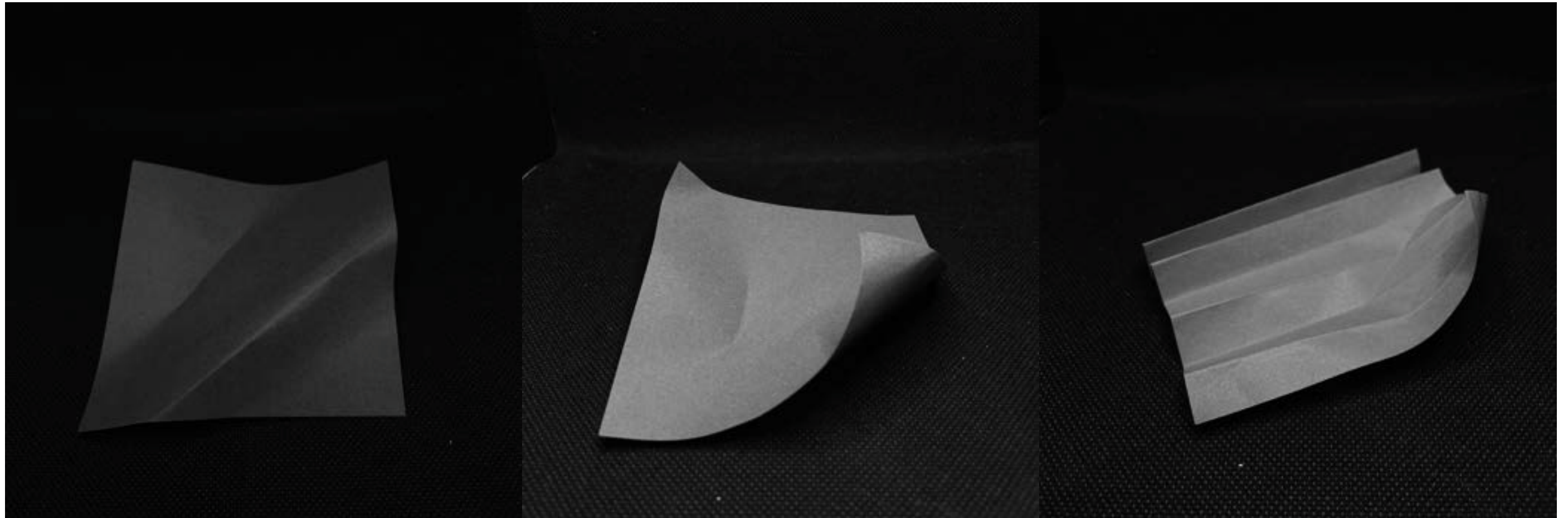
**Phase 4 — Explorations / Experiments / iterations**



**Phase 4 — Explorations / Experiments / iterations**

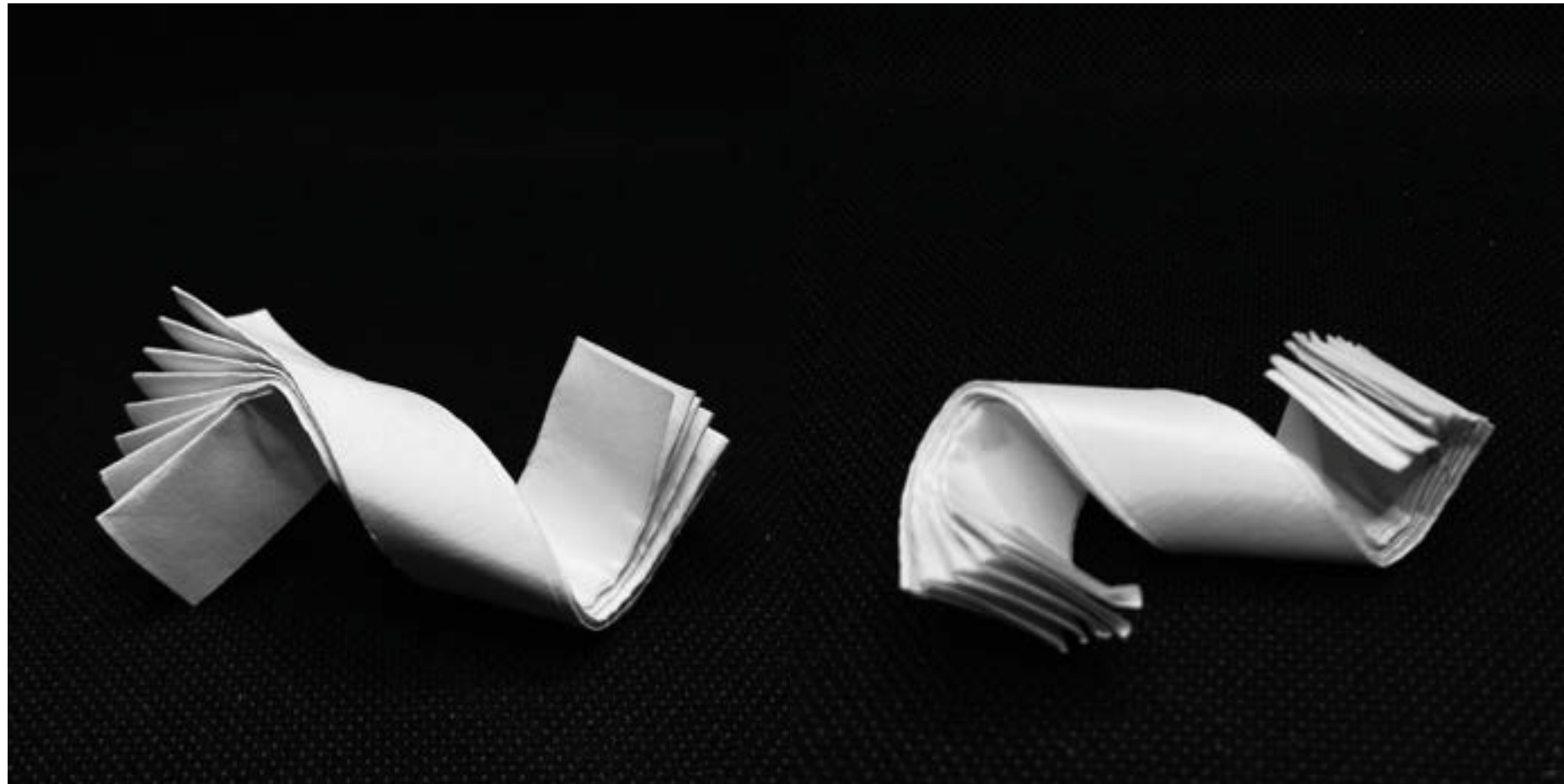


**Phase 4 — Explorations / Experiments / iterations**

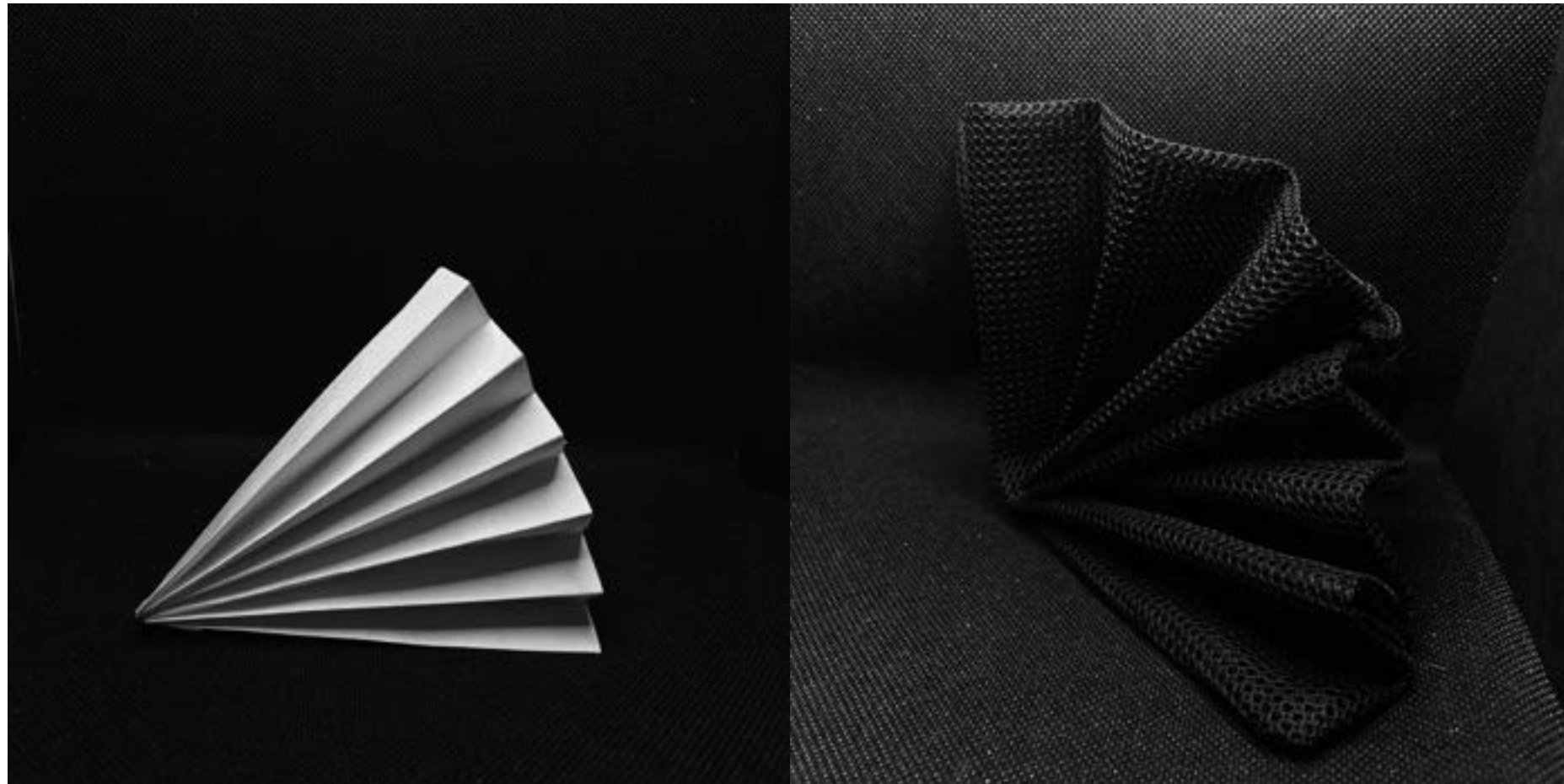


**Phase 4 — Explorations / Experiments / iterations**

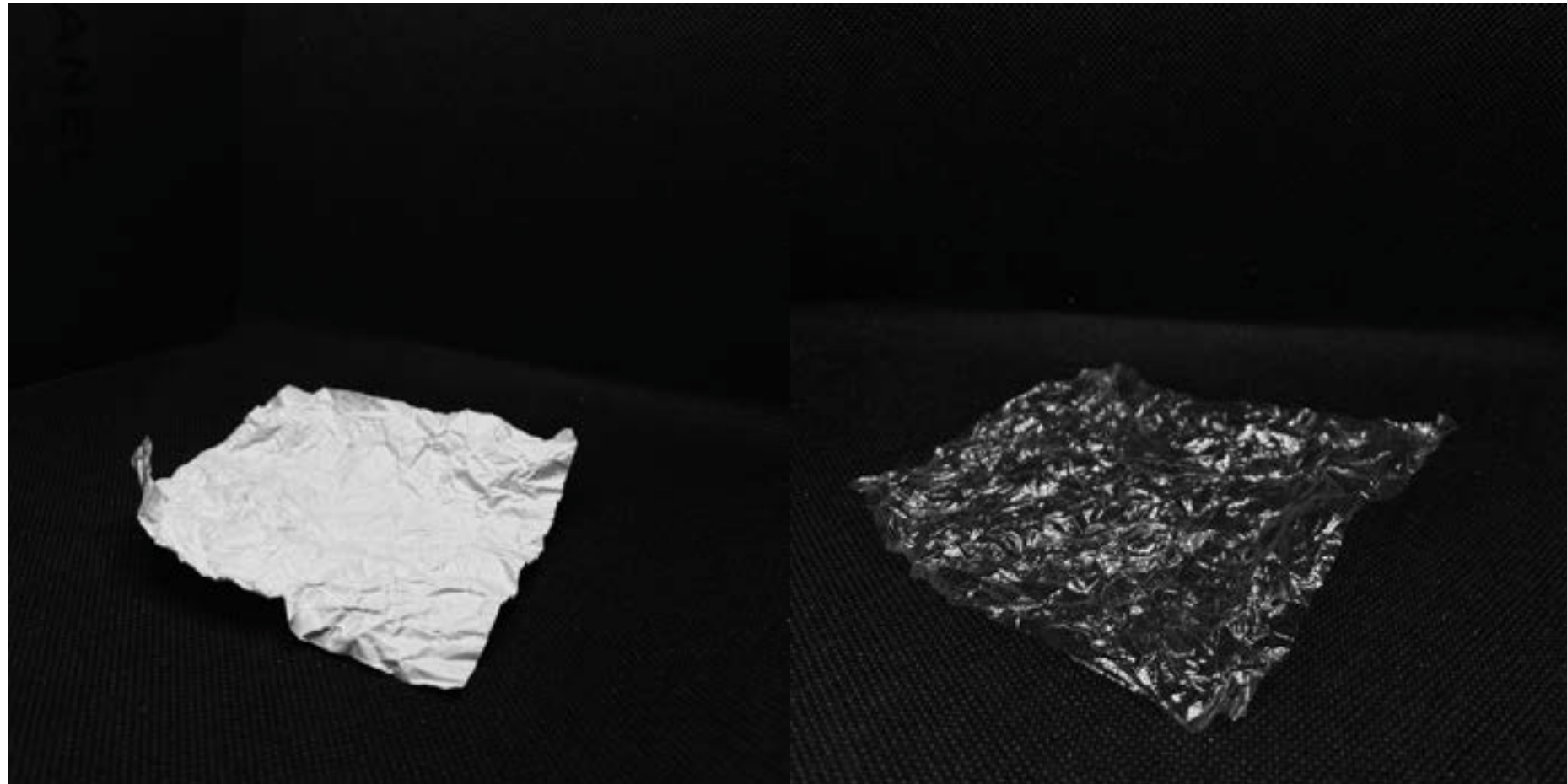




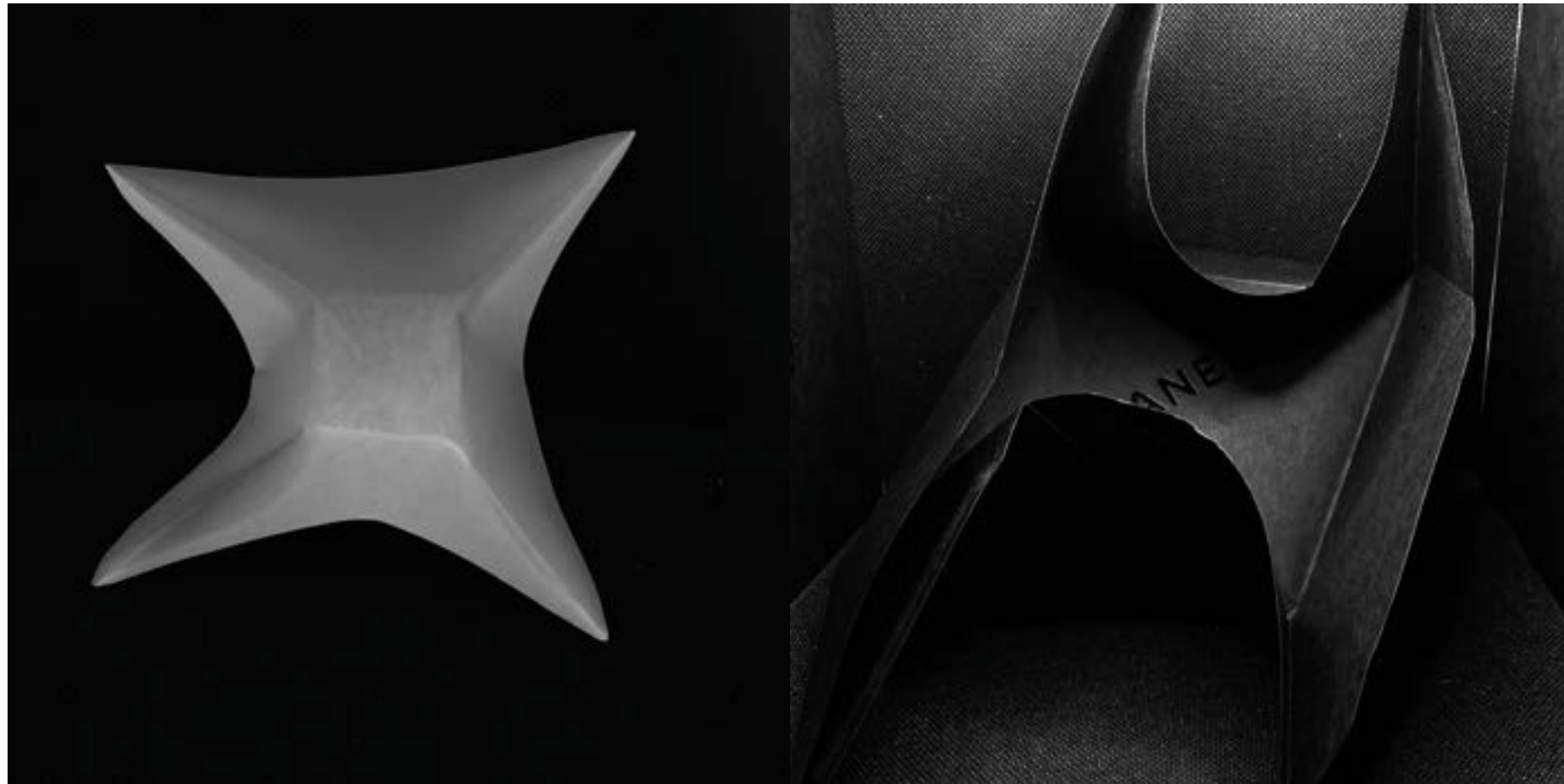
**Phase 4 — Explorations / Experiments / iterations**



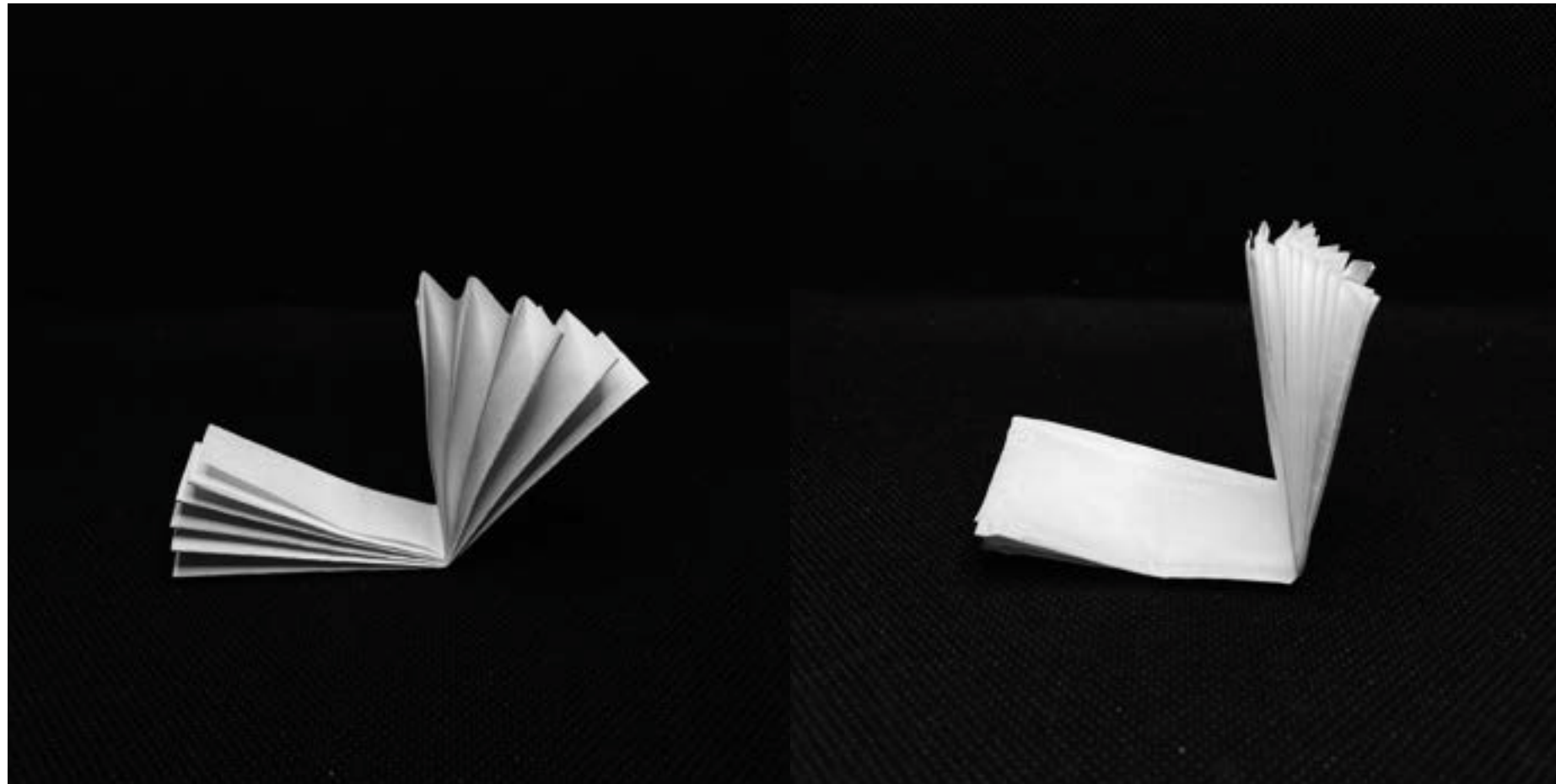
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

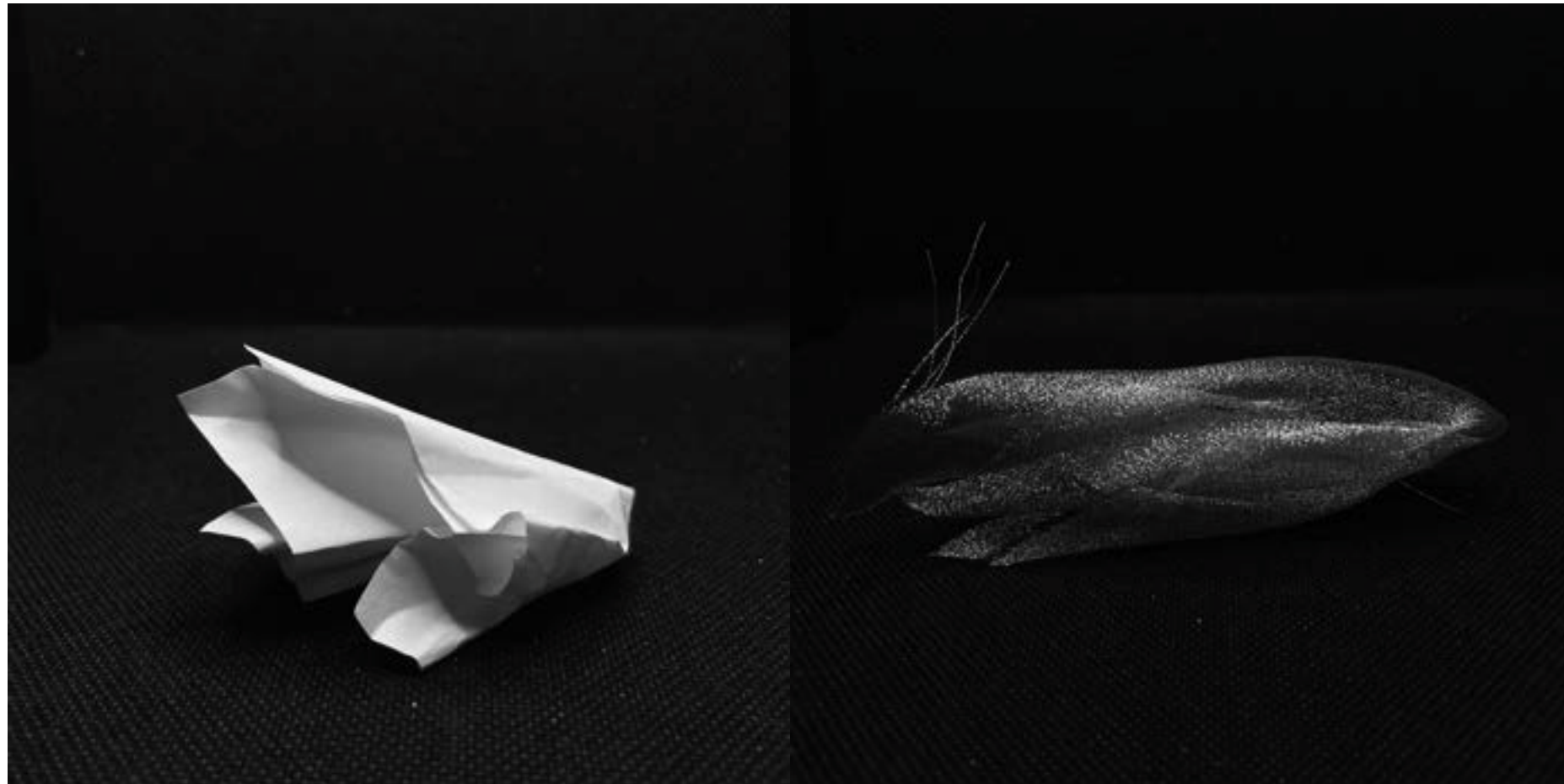


**Phase 4 — 3 Featured Material+ Pairings**



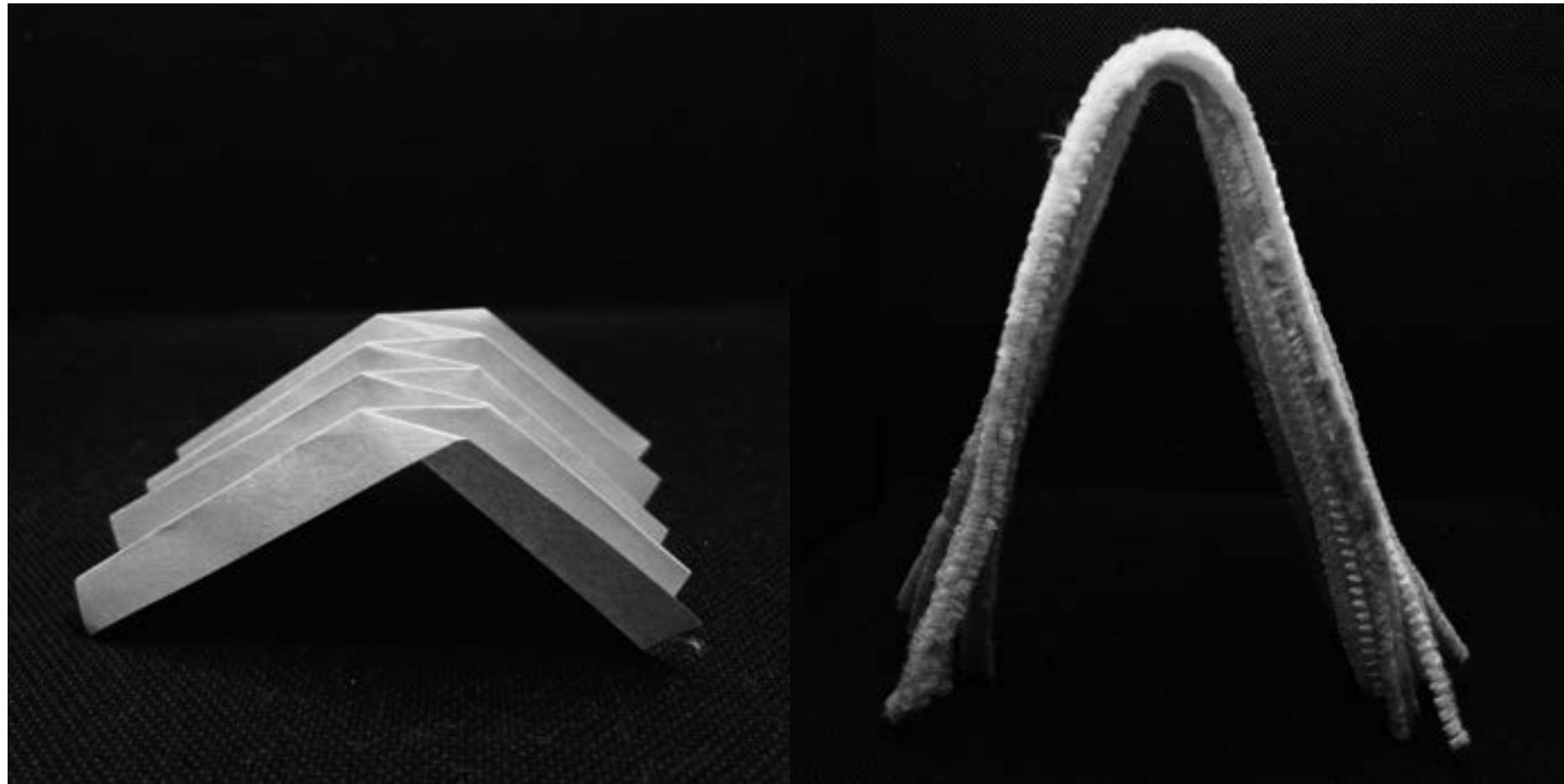
**Phase 4 — 3 Featured Material+ Pairings**



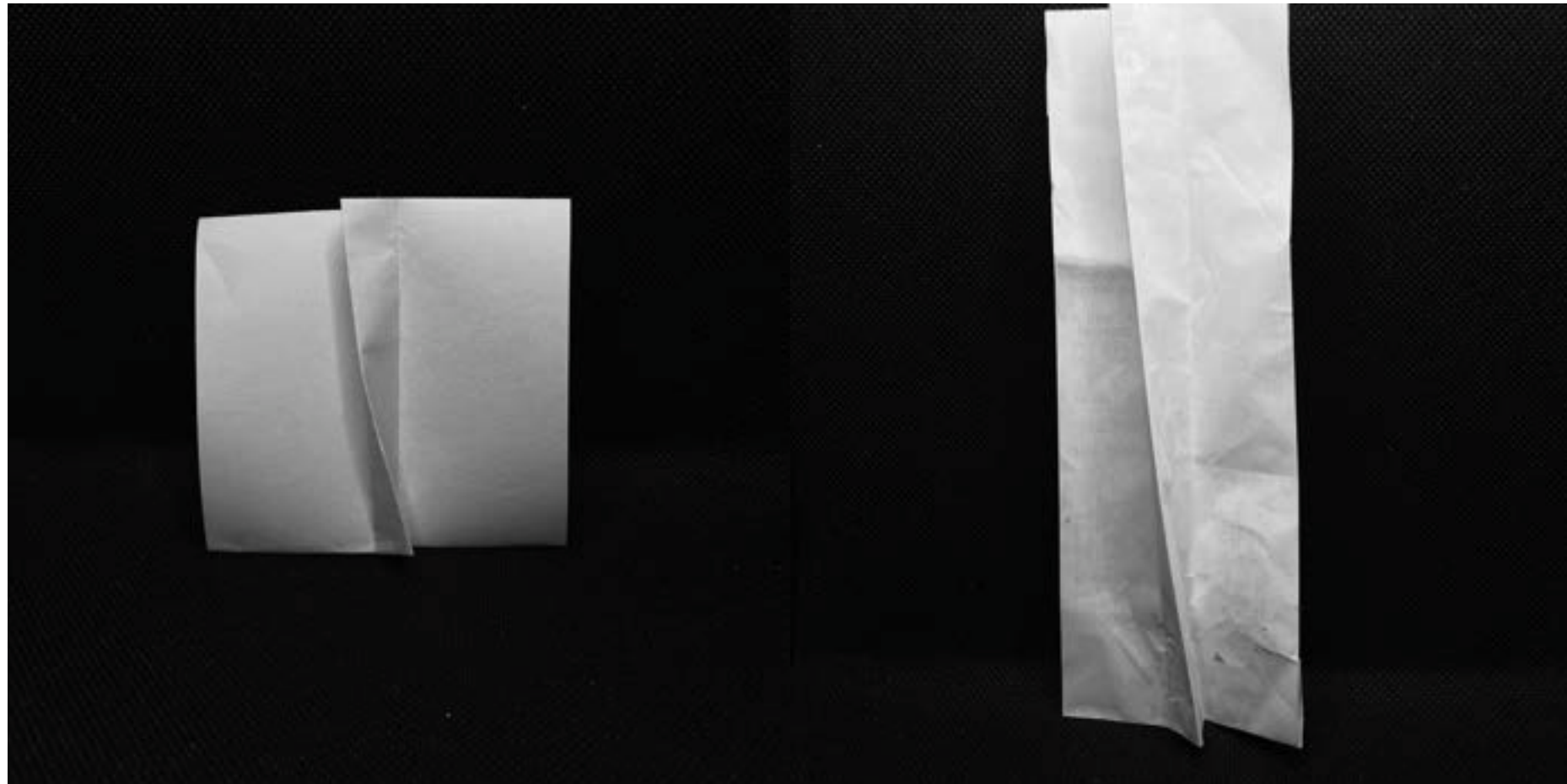


**Phase 4 — 3 Featured Material+ Pairings**

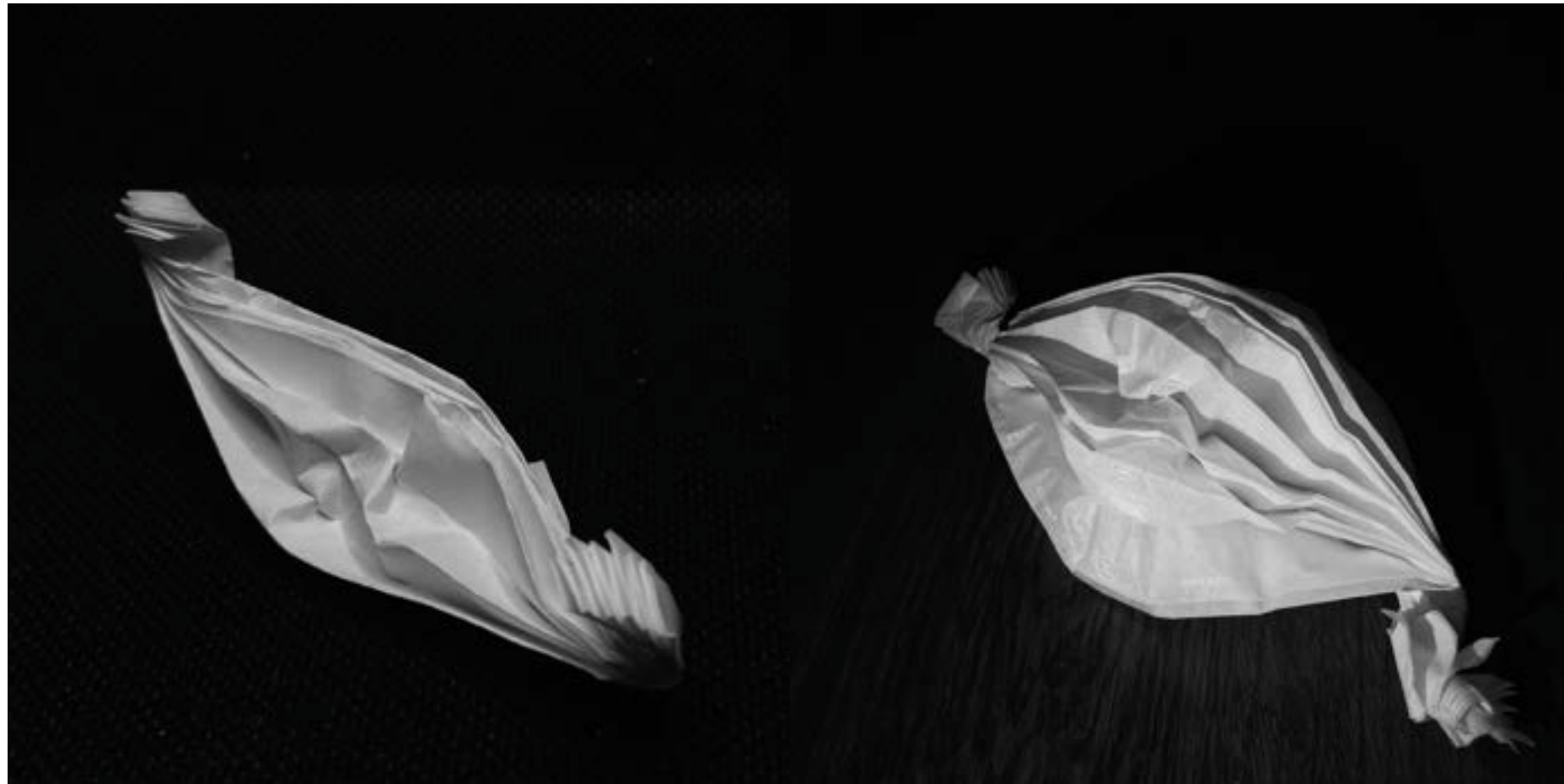




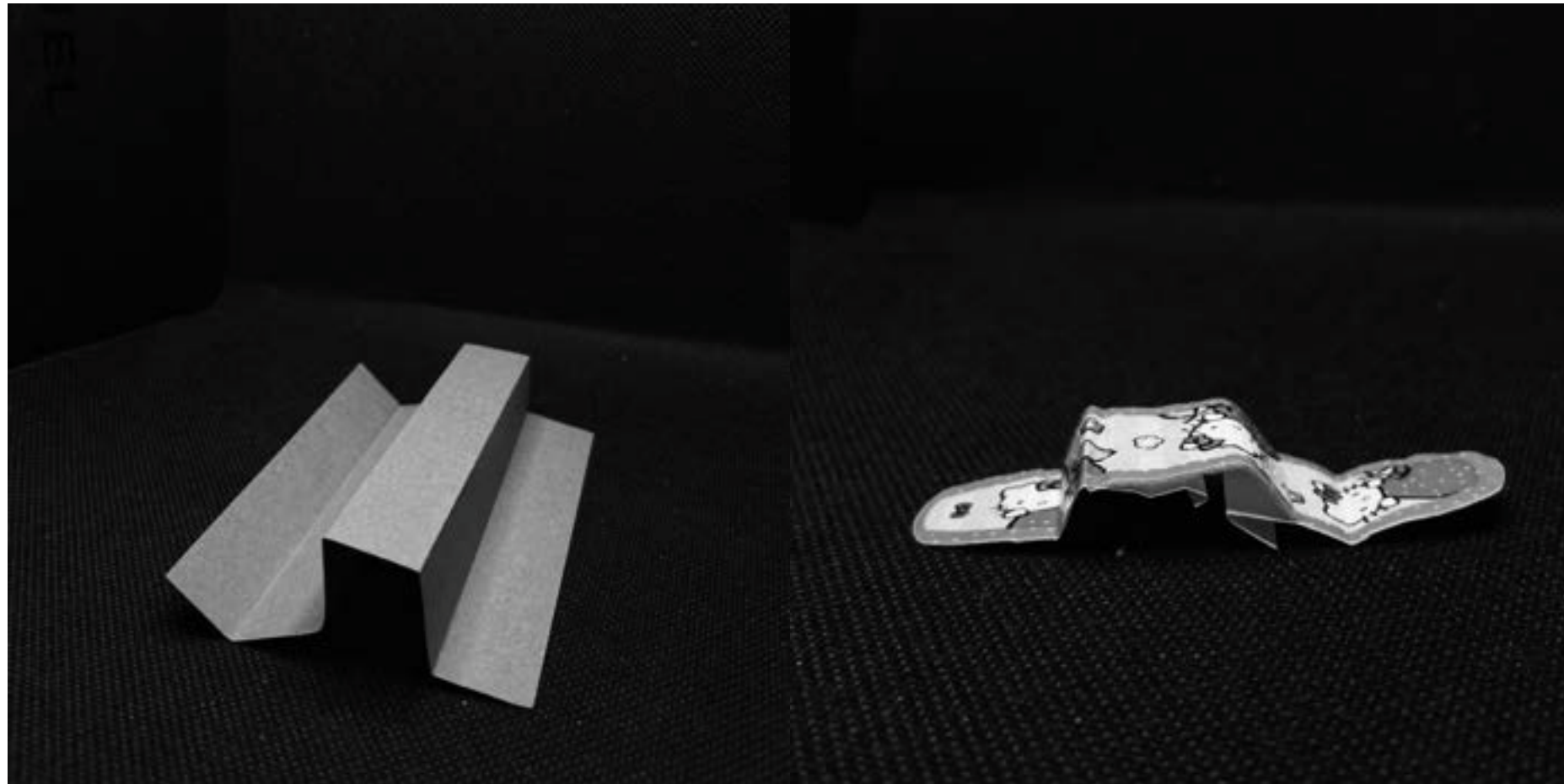
**Phase 4 — 3 Featured Material+ Pairings**



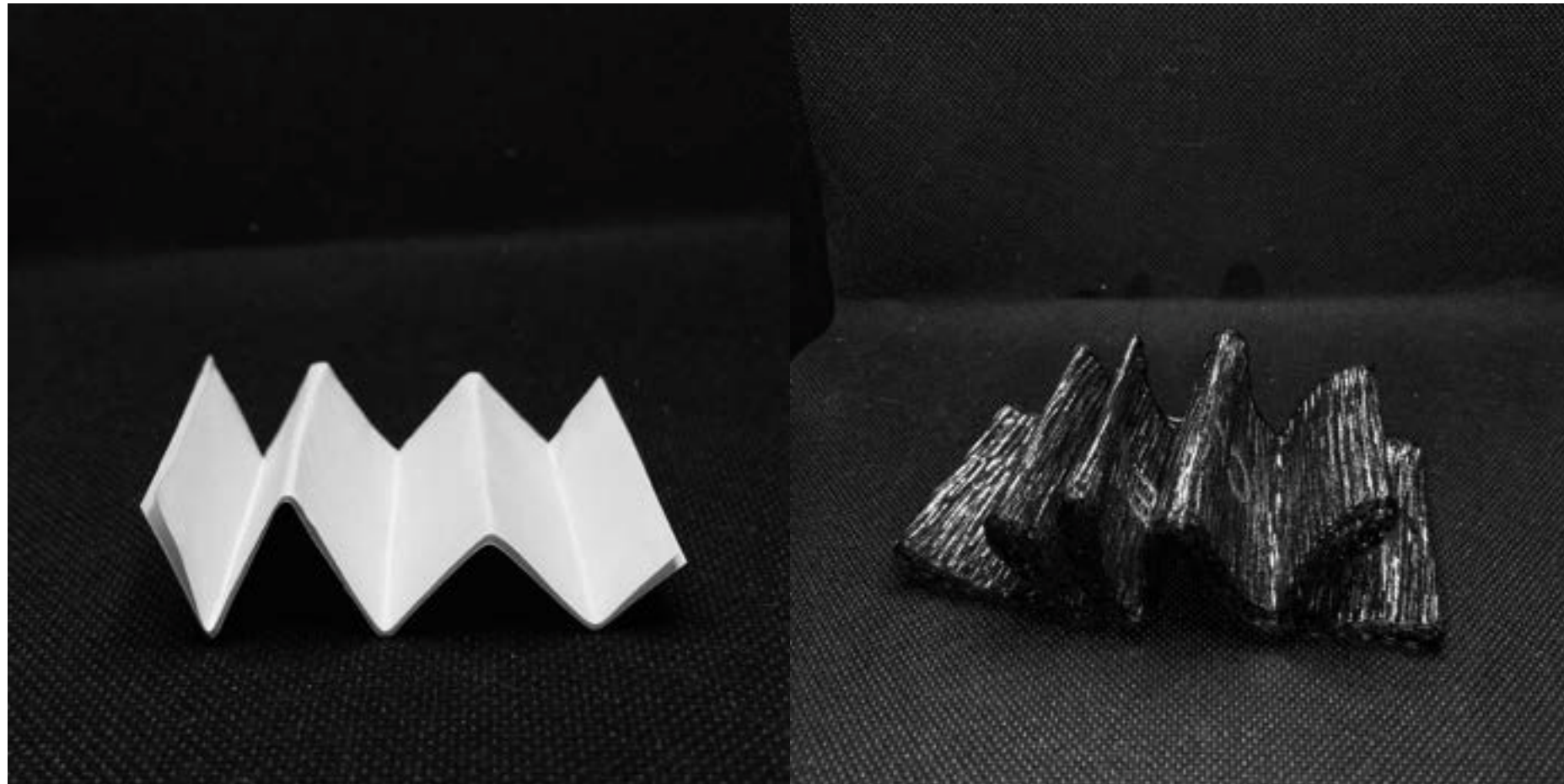
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

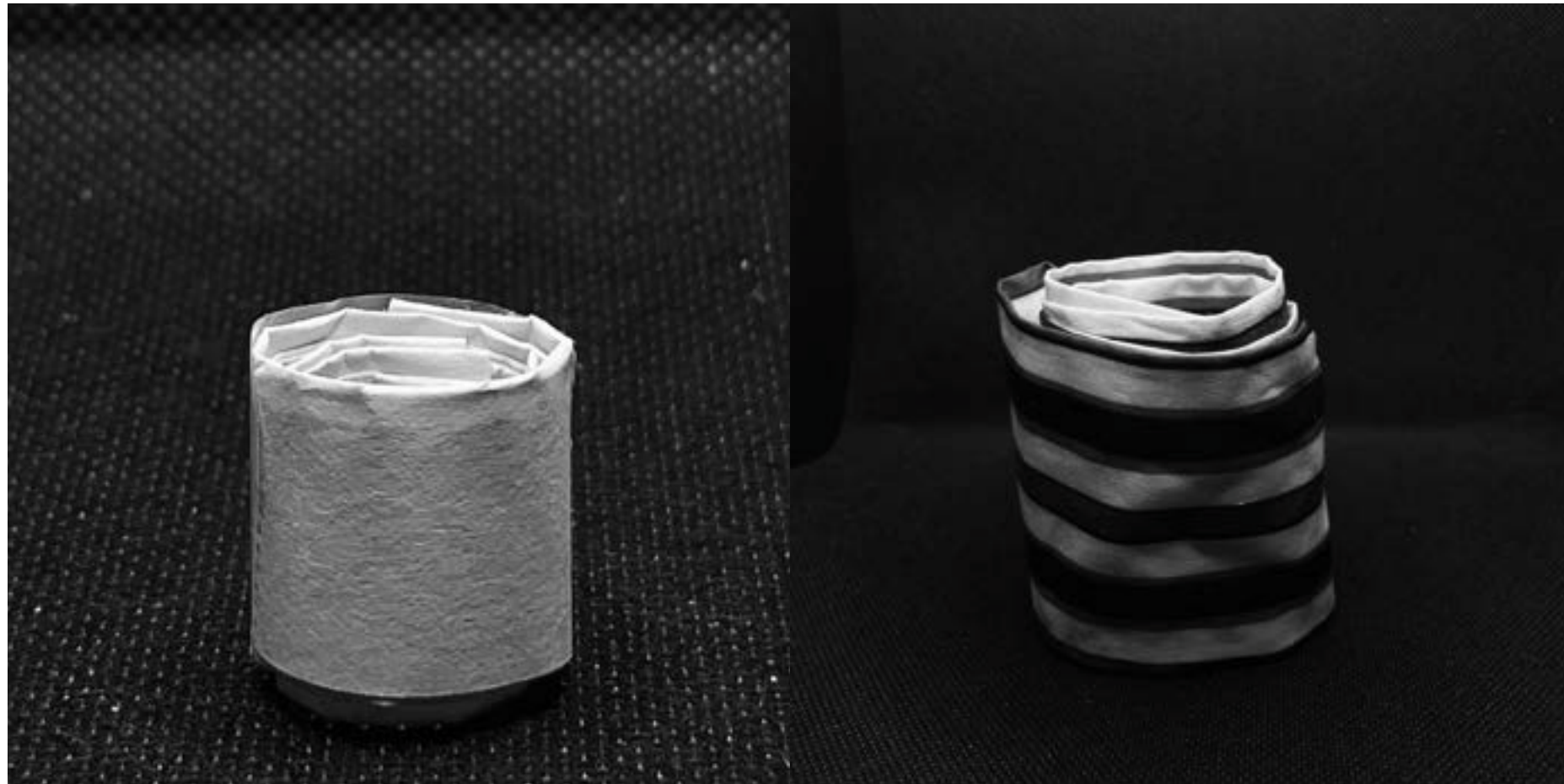


**Phase 4 — 3 Featured Material+ Pairings**

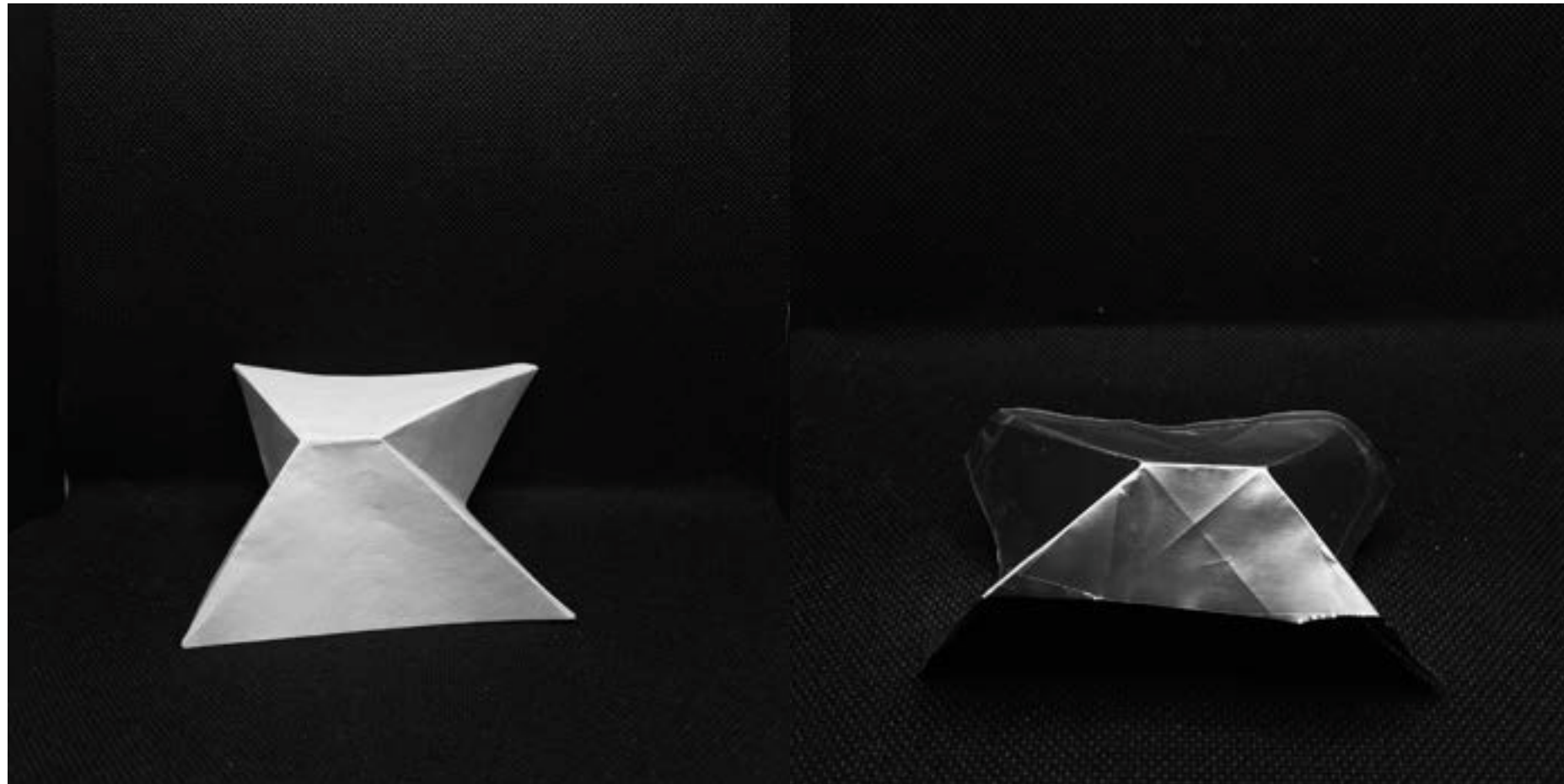


**Phase 4 — 3 Featured Material+ Pairings**

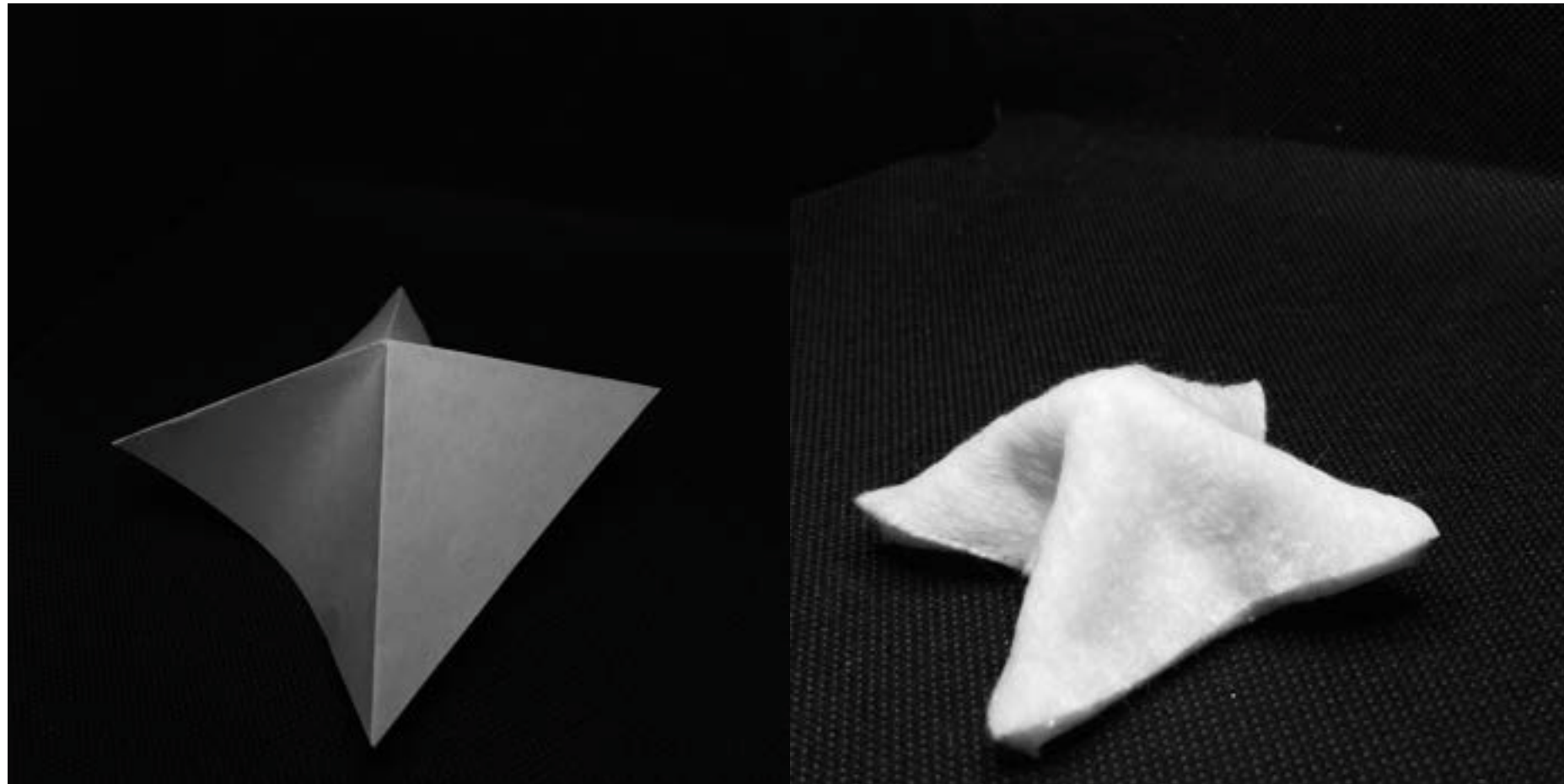




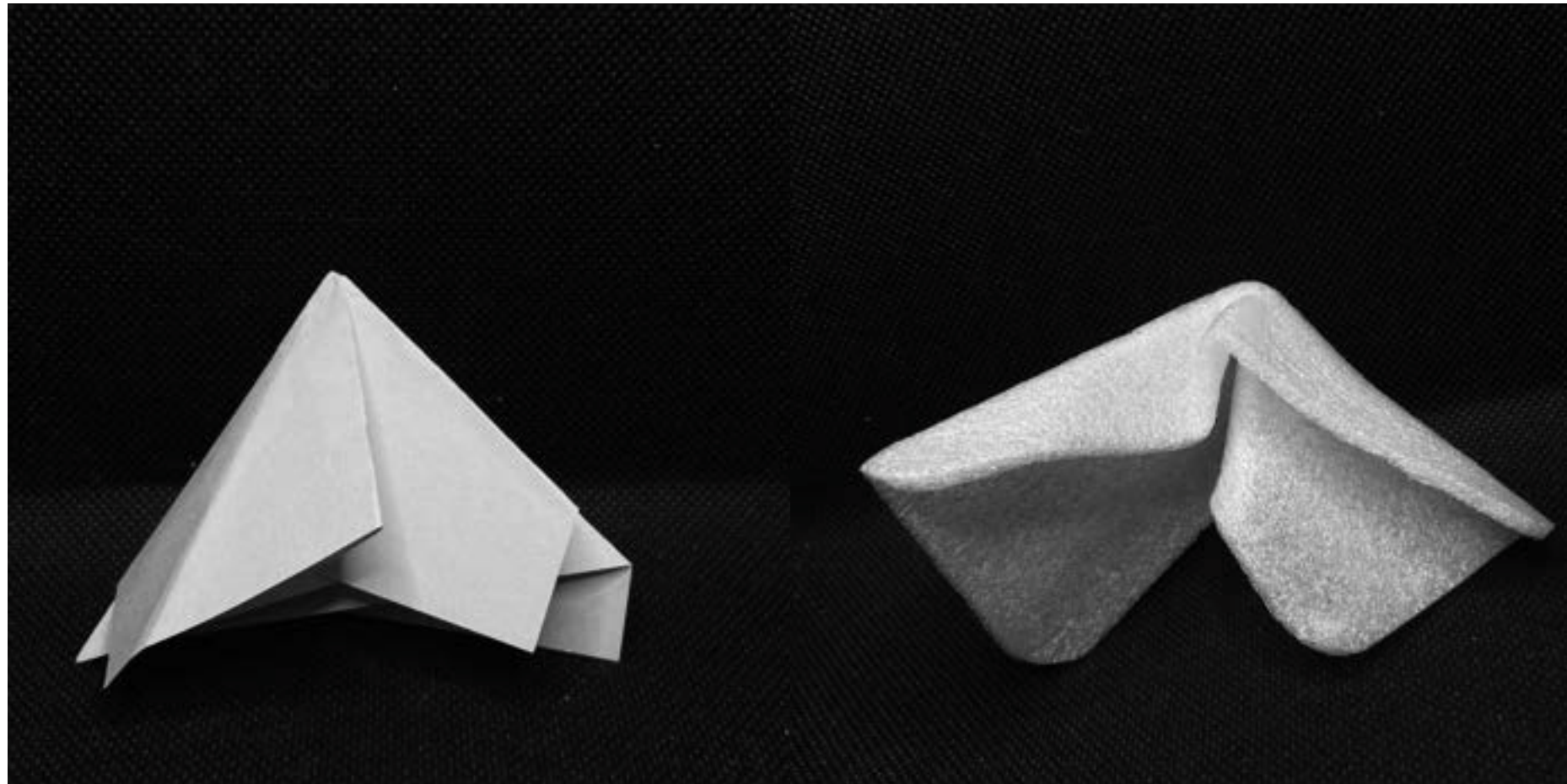
**Phase 4 — 3 Featured Material+ Pairings**



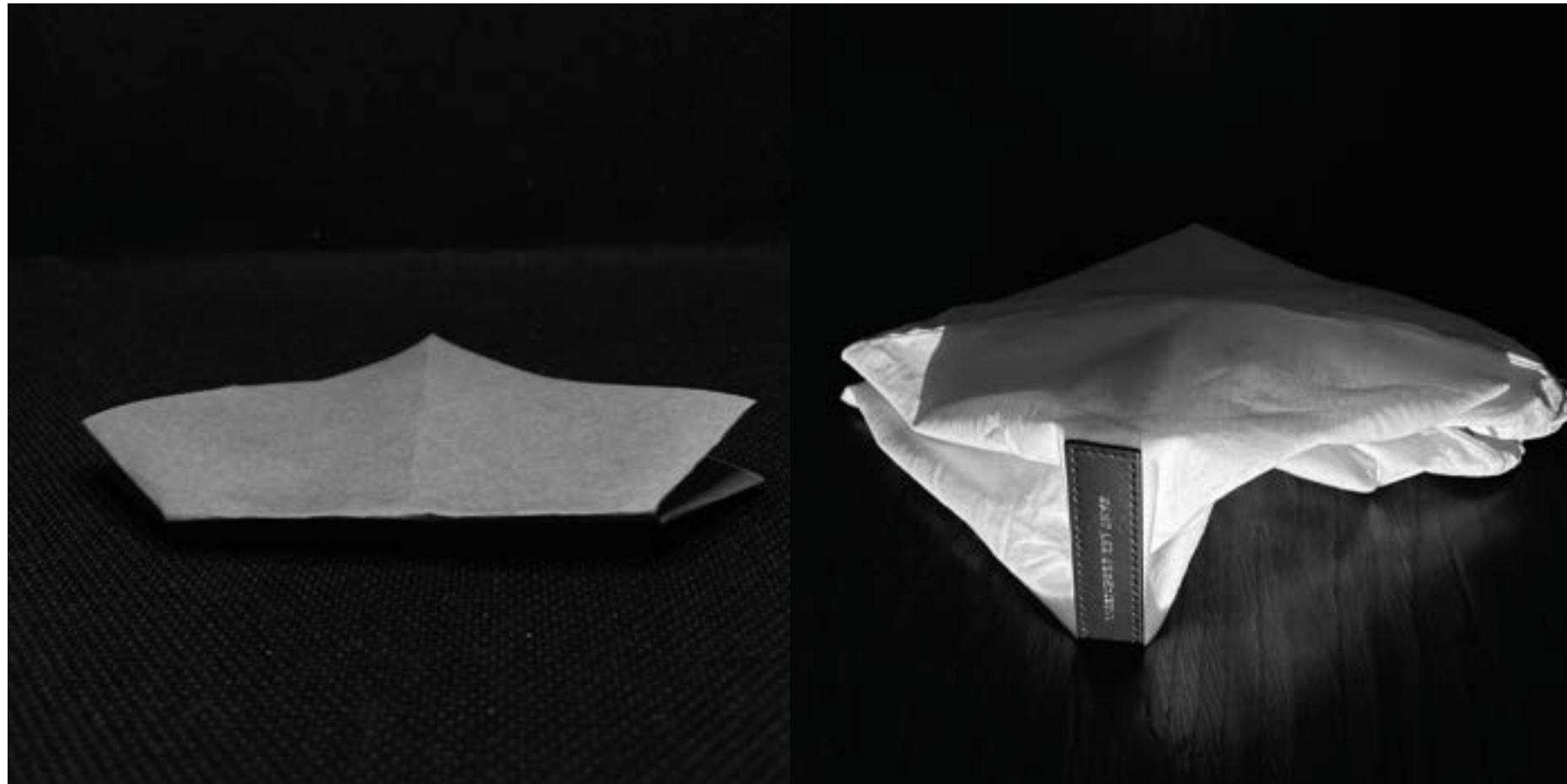
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

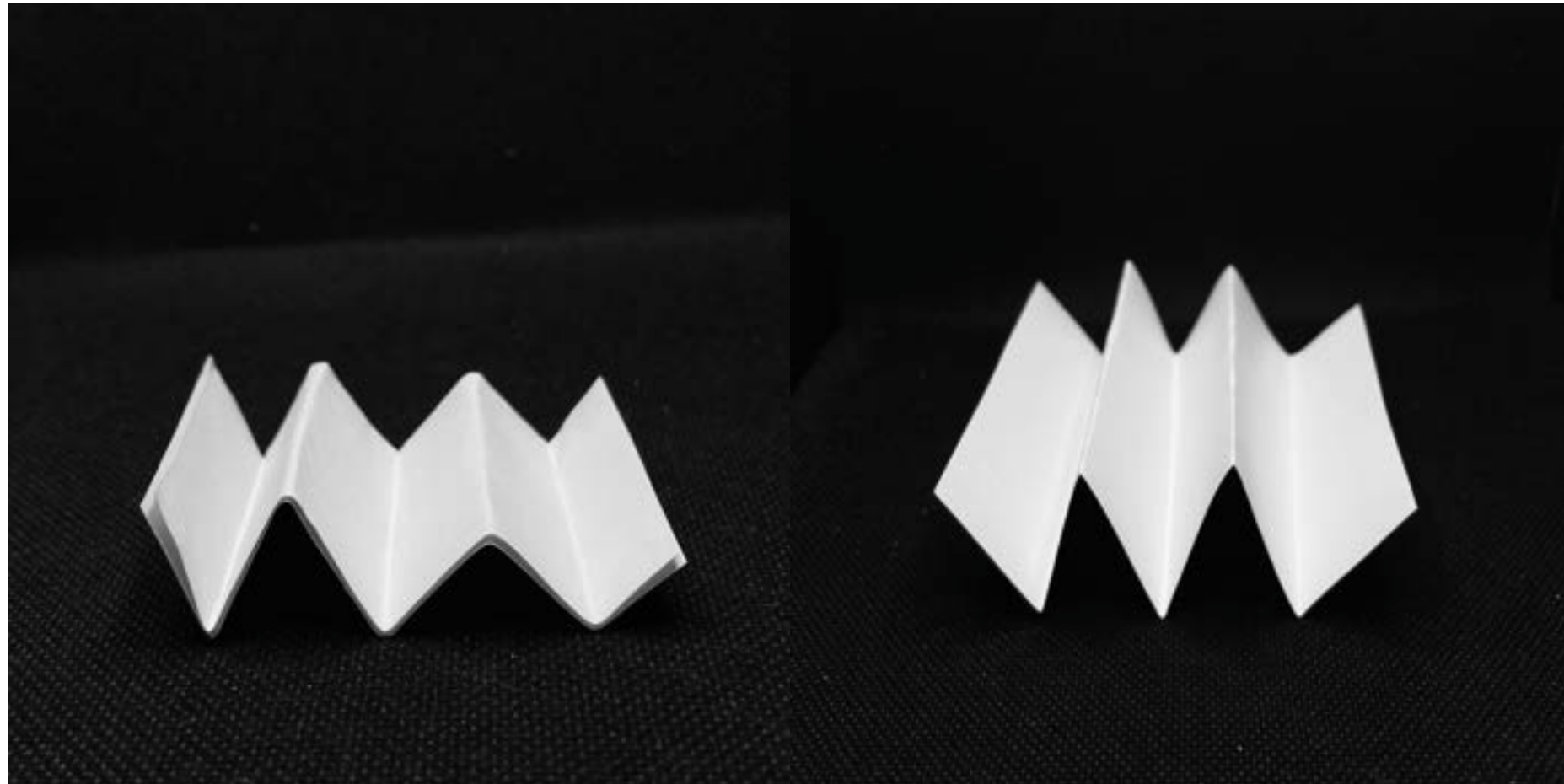


**Phase 4 — 3 Featured Material+ Pairings**

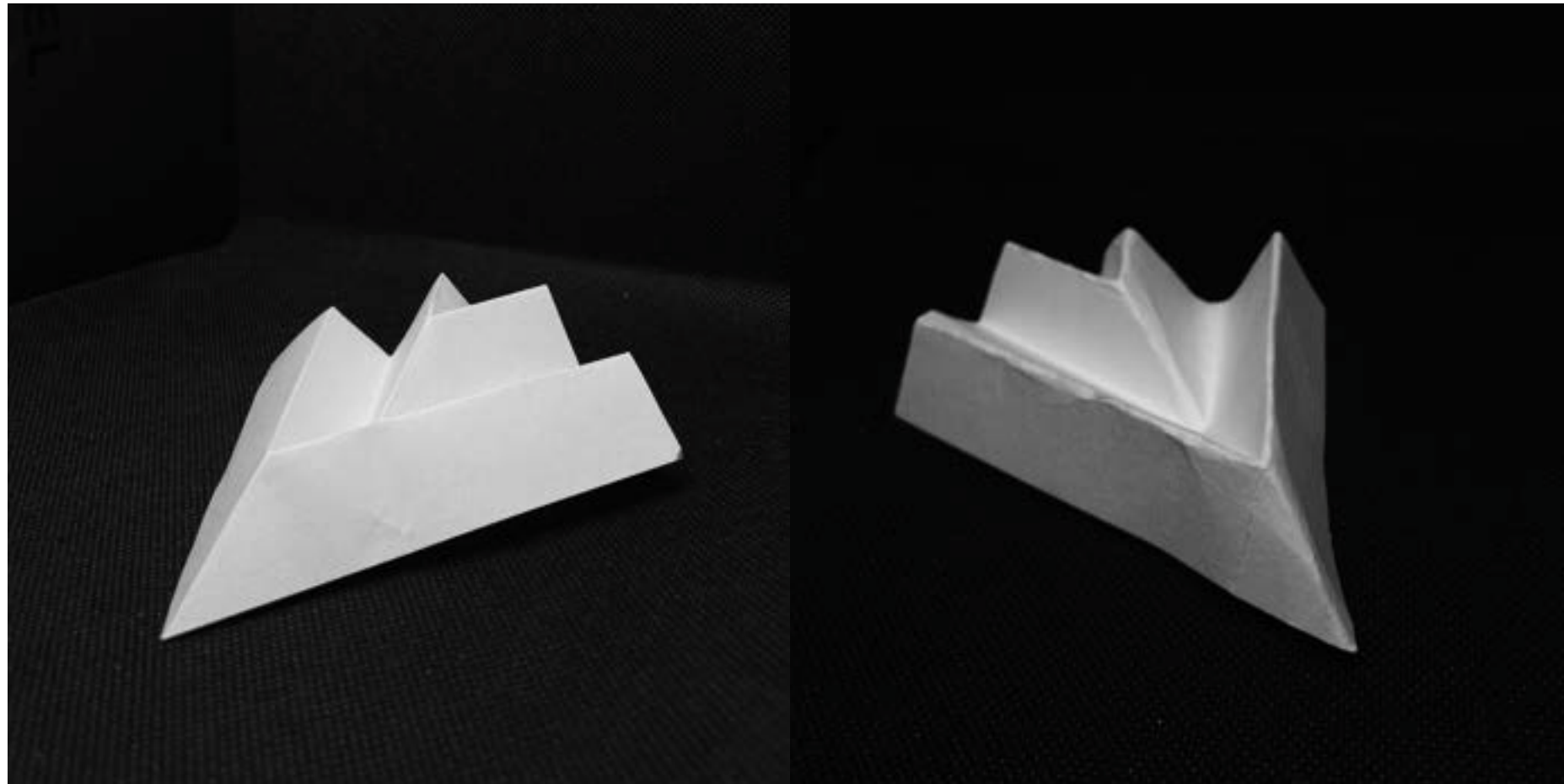


**Phase 4 — 3 Featured Material+ Pairings**

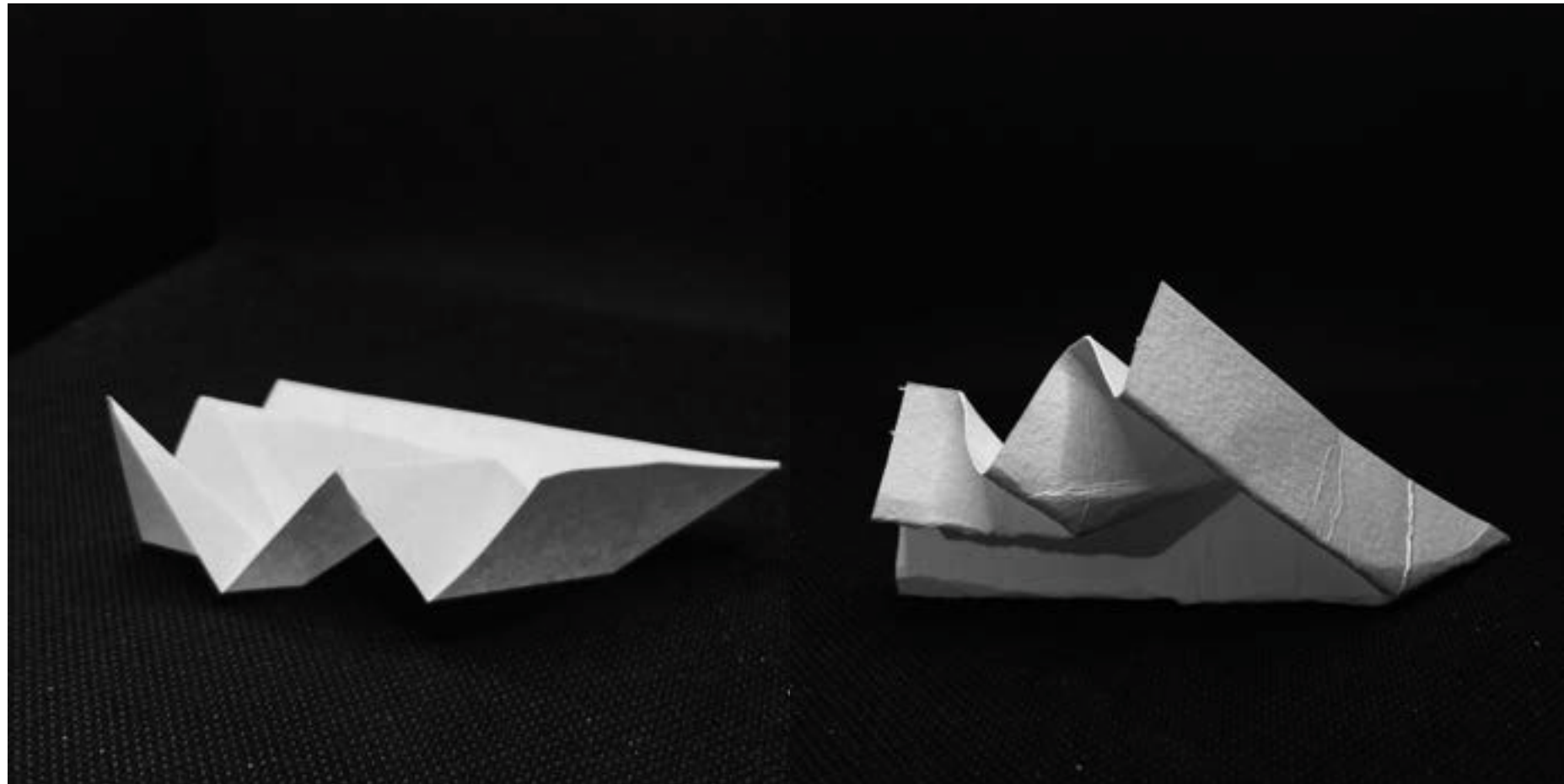




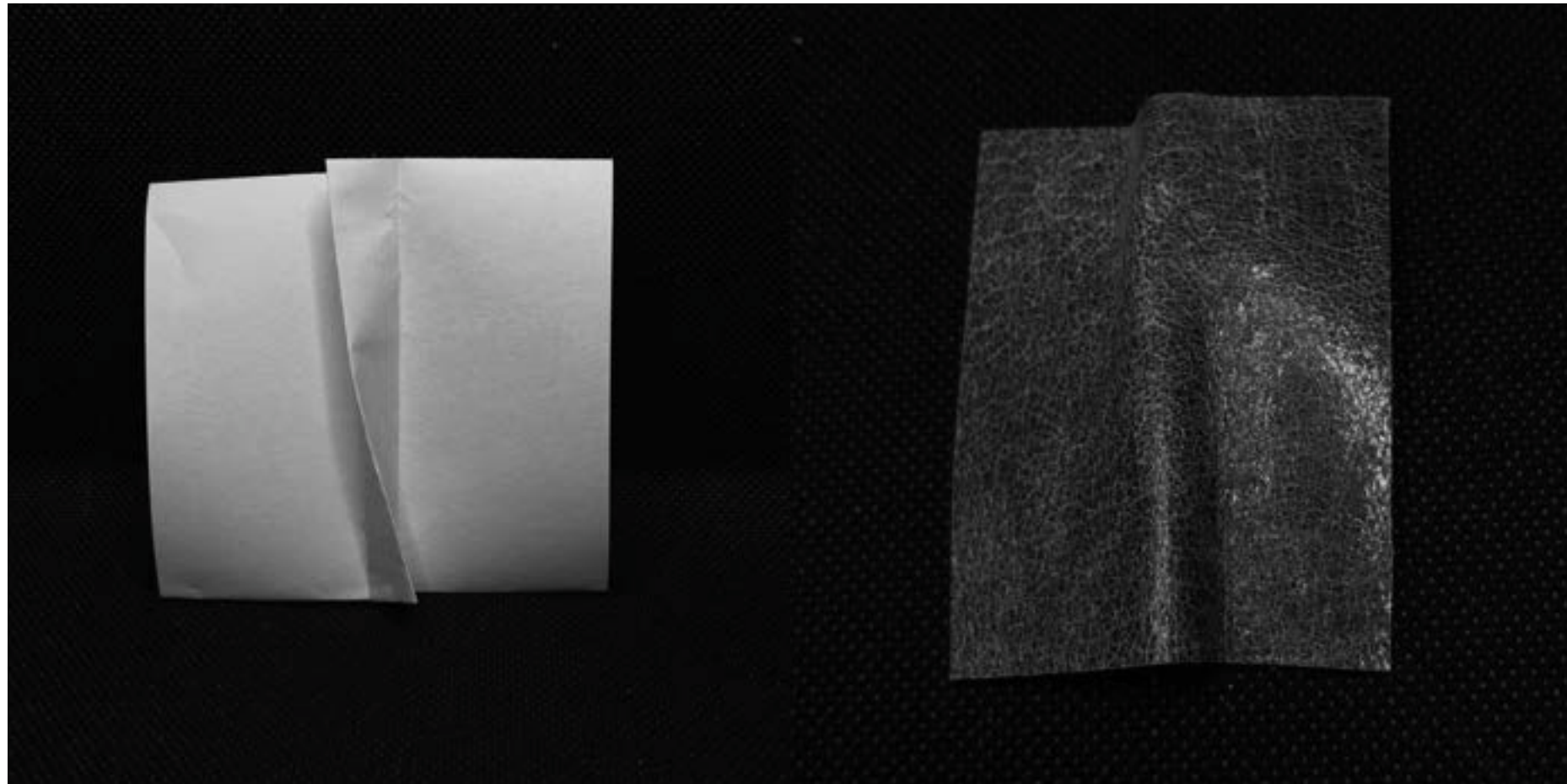
**Phase 4 — 3 Featured Material+ Pairings**



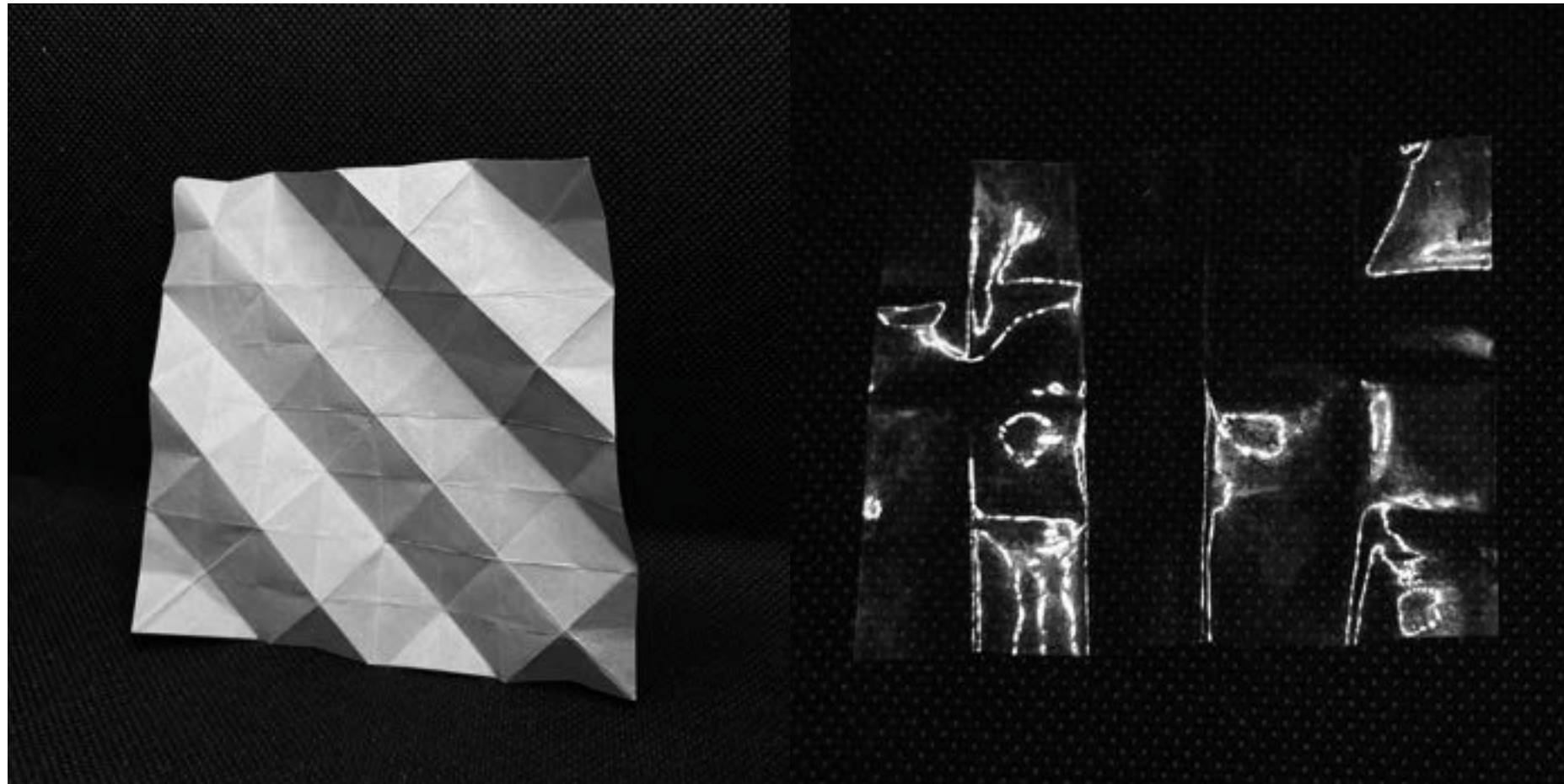
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

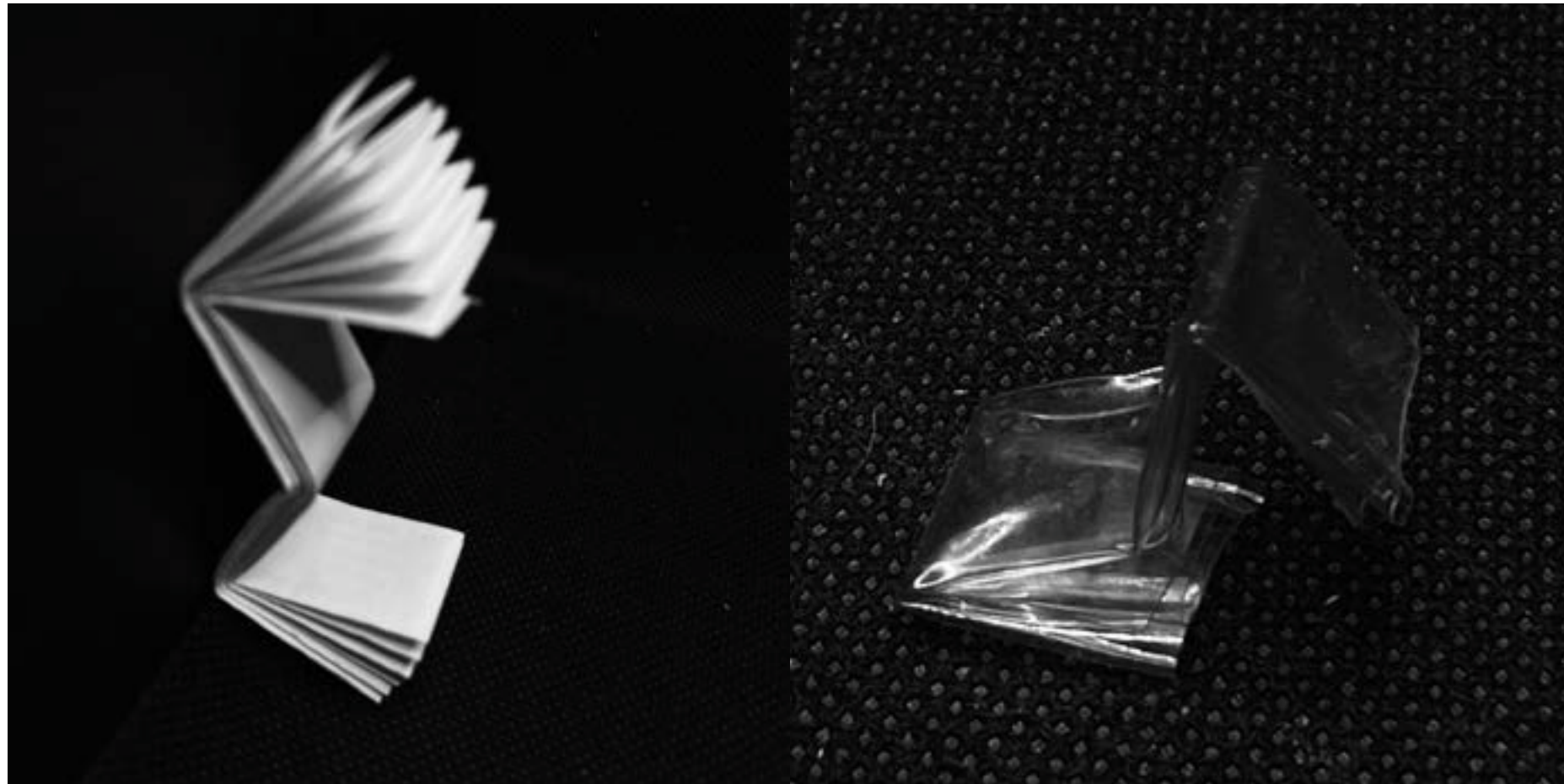


**Phase 4 — 3 Featured Material+ Pairings**

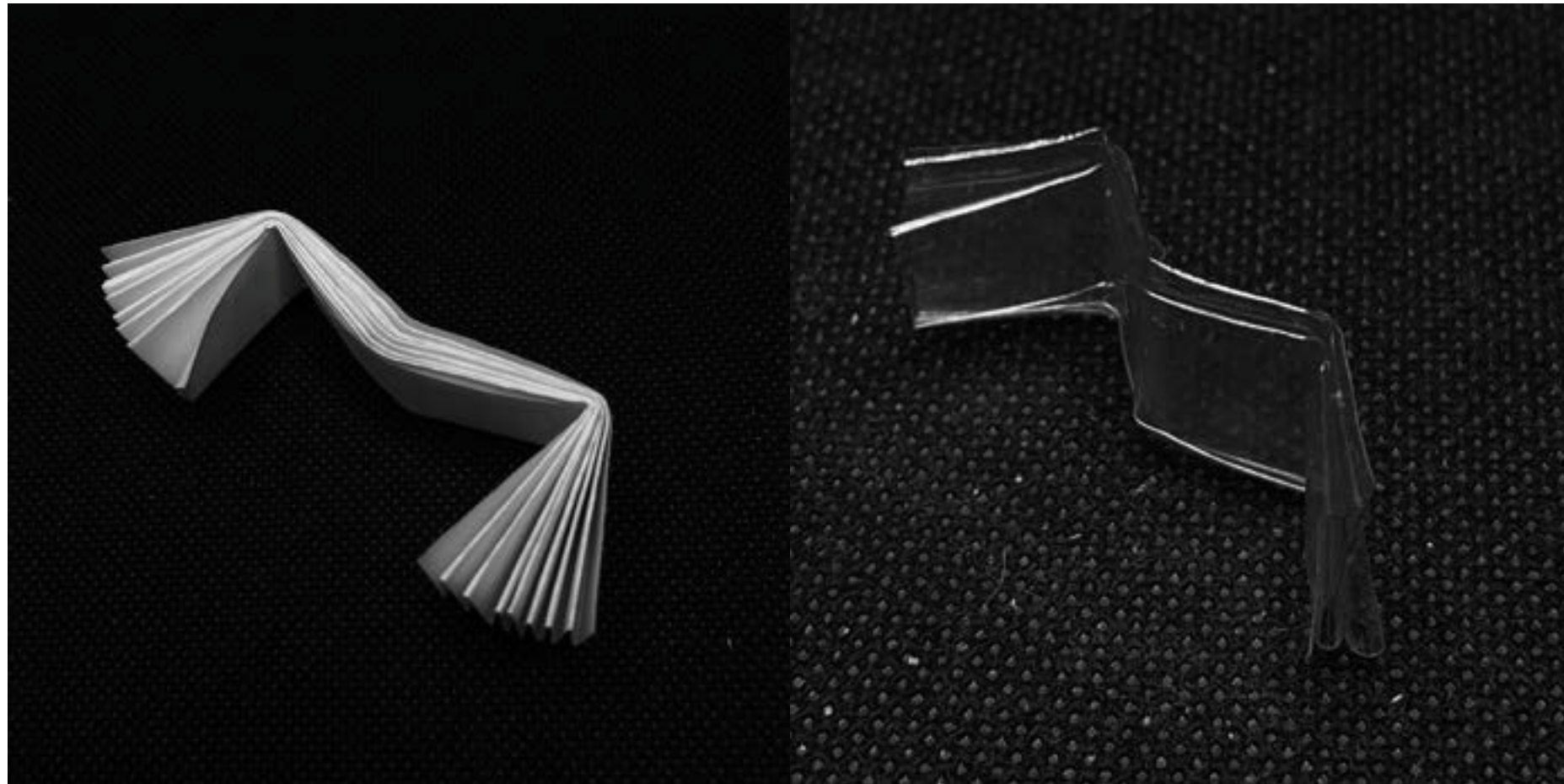




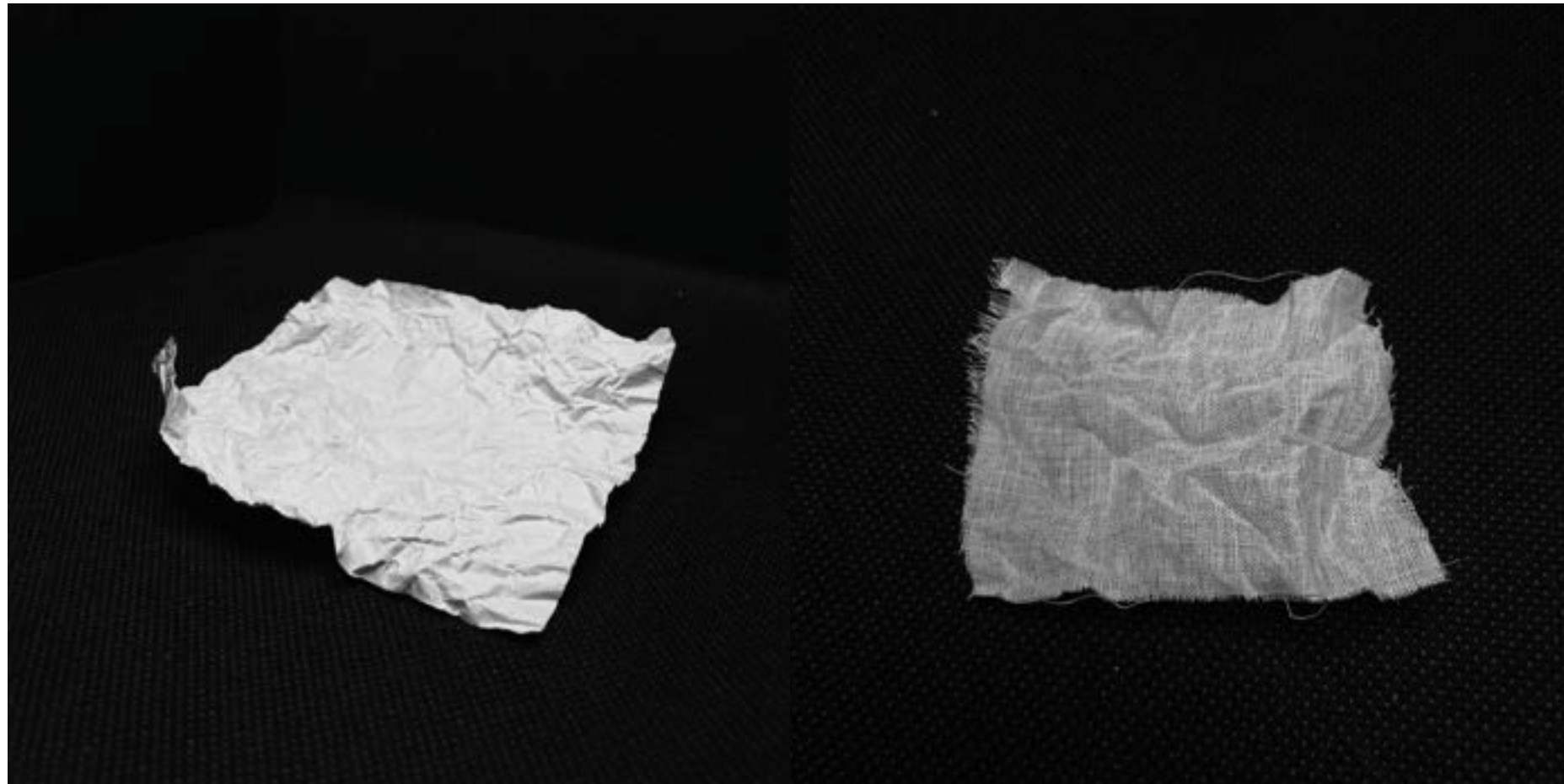
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

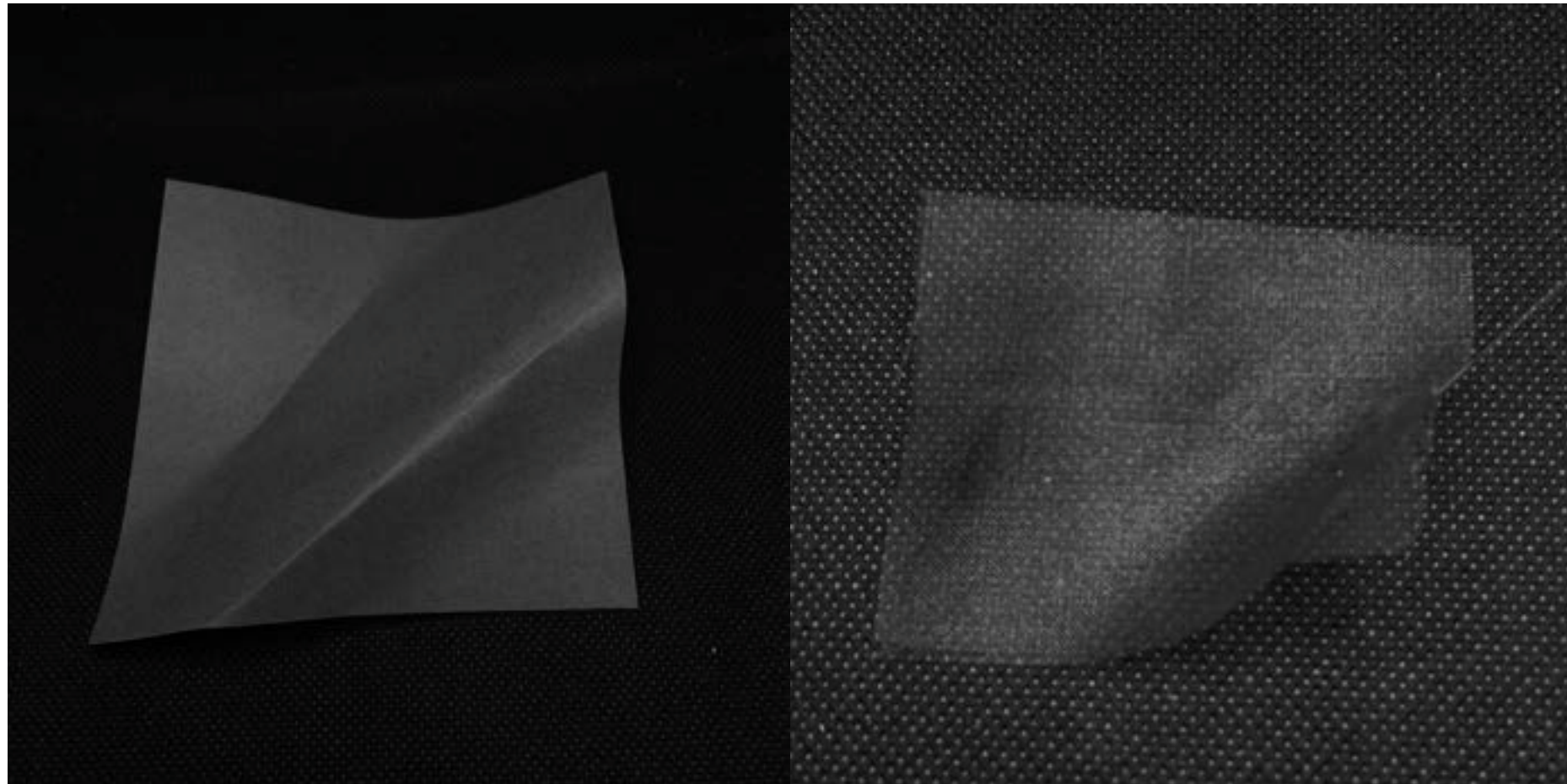


**Phase 4 — 3 Featured Material+ Pairings**



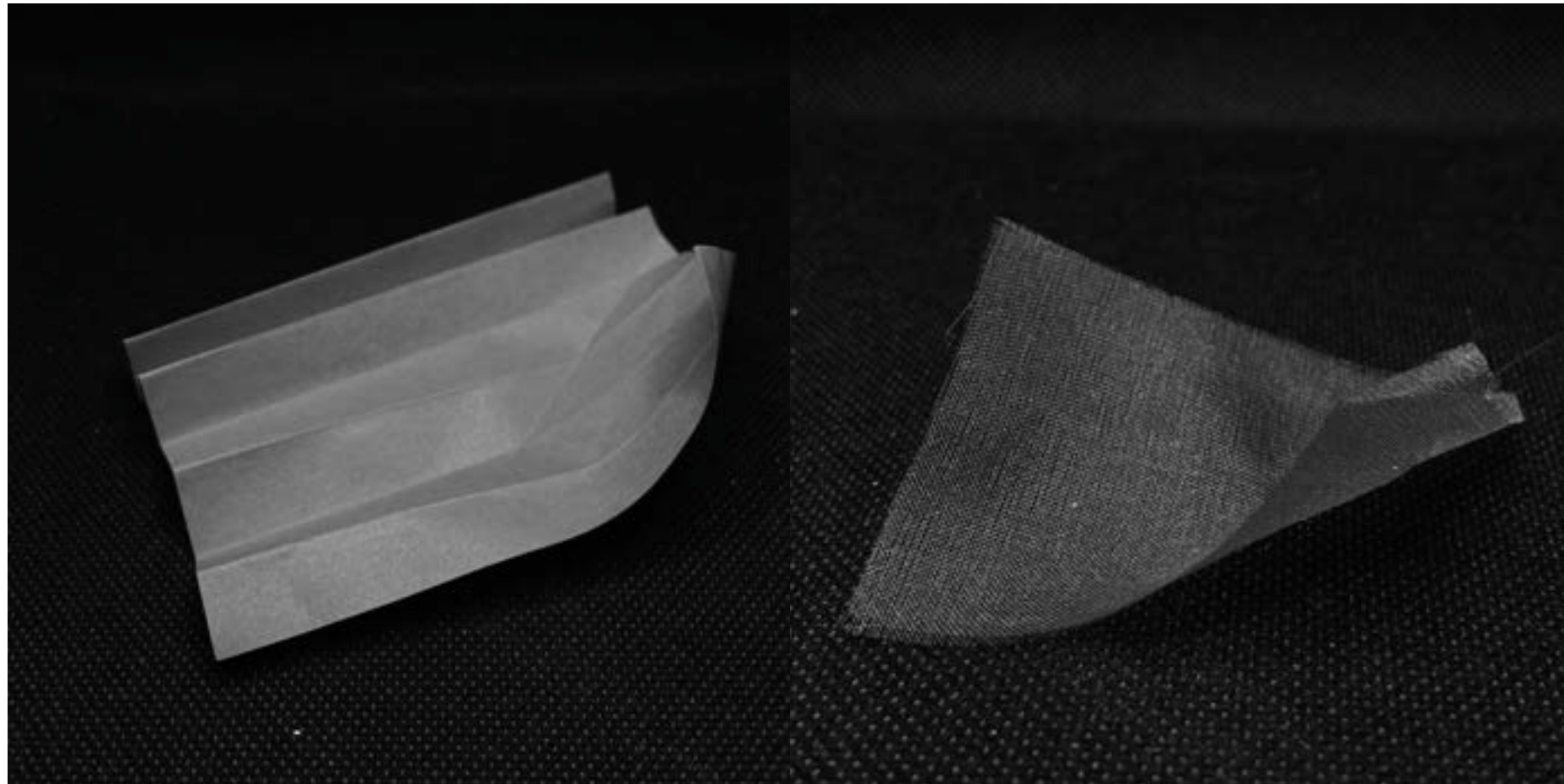
**Phase 4 — 3 Featured Material+ Pairings**



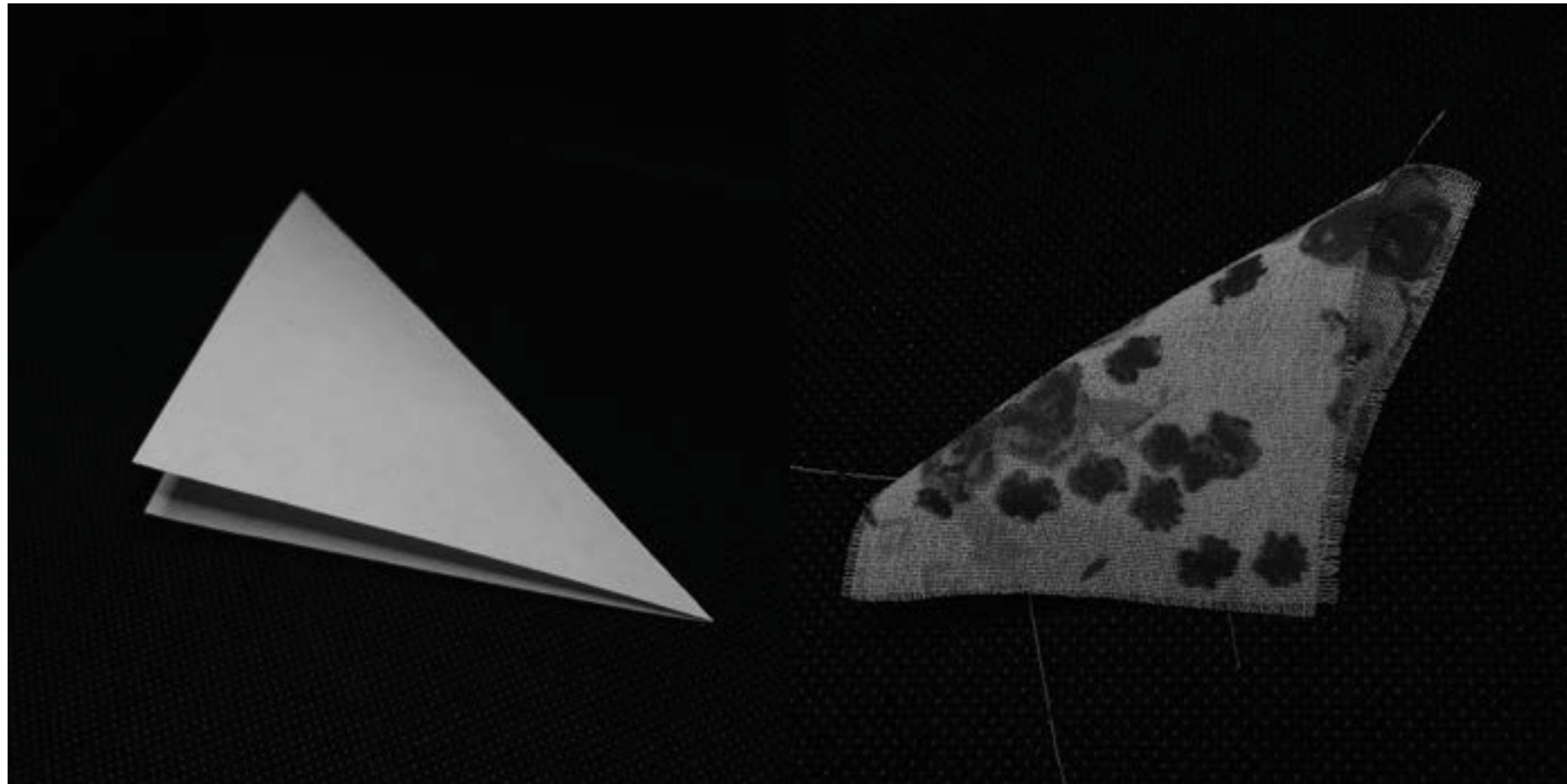


**Phase 4 — 3 Featured Material+ Pairings**





**Phase 4 — 3 Featured Material+ Pairings**



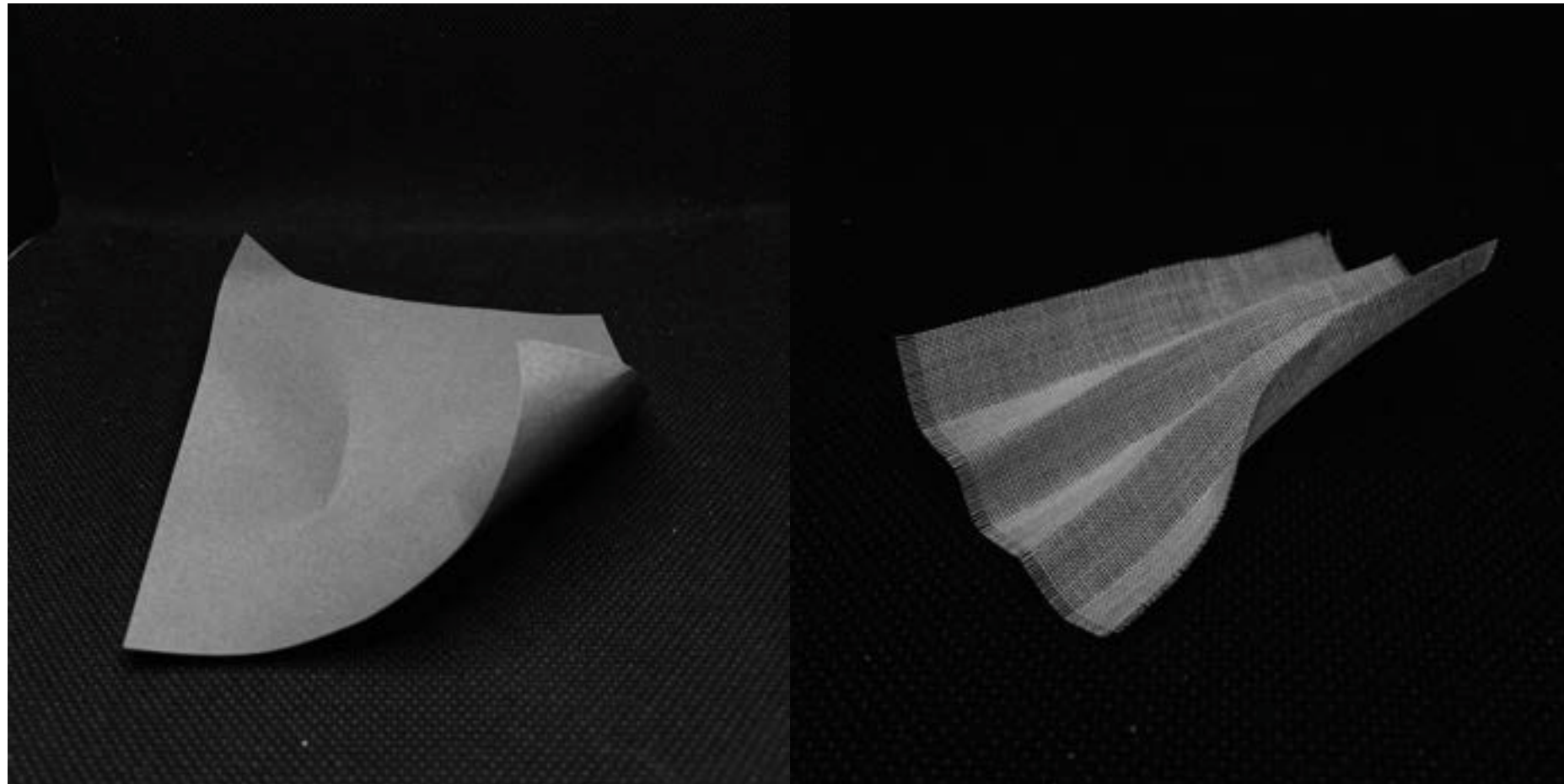
**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Material+ Pairings**

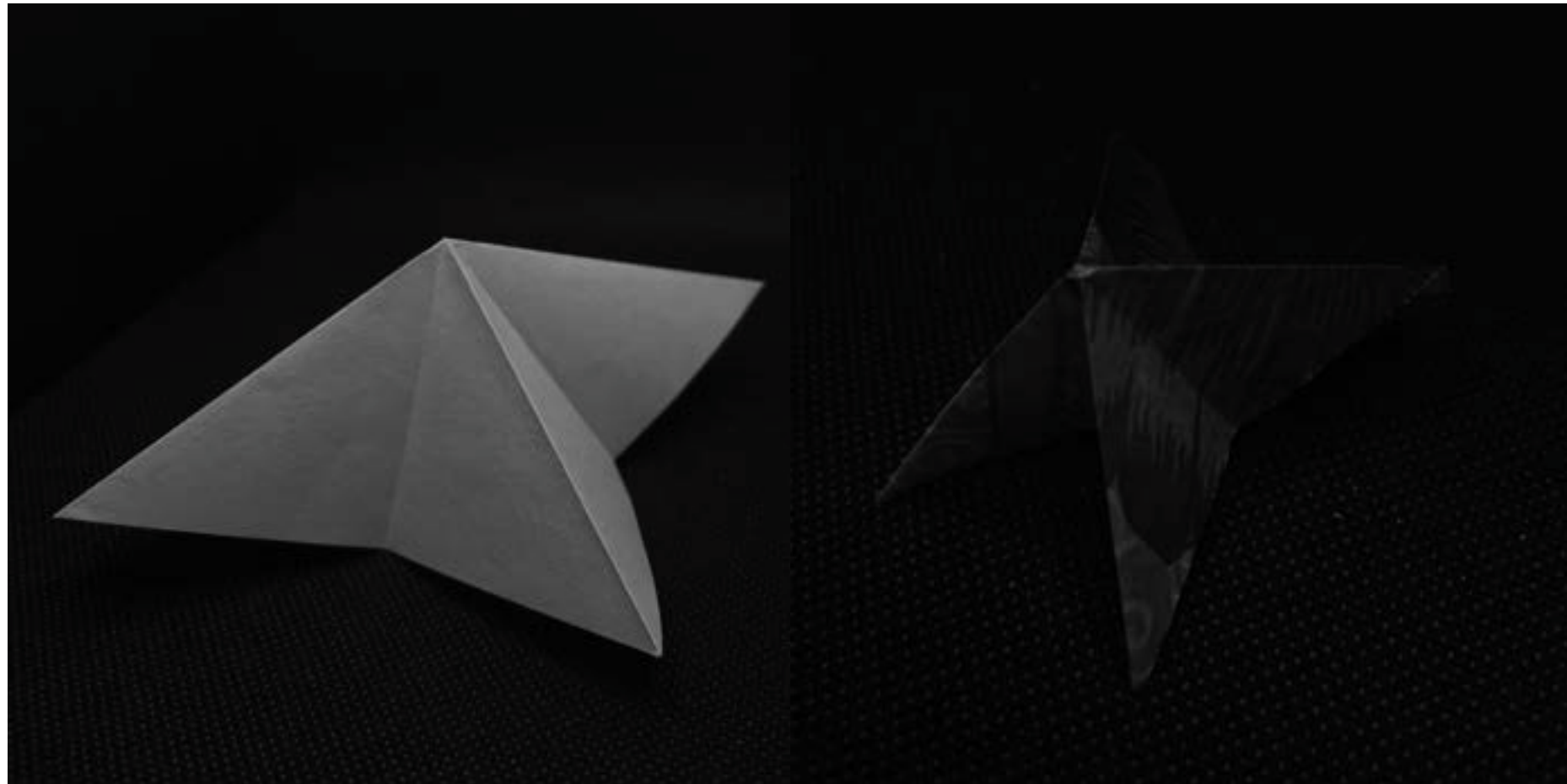


**Phase 4 — 3 Featured Material+ Pairings**

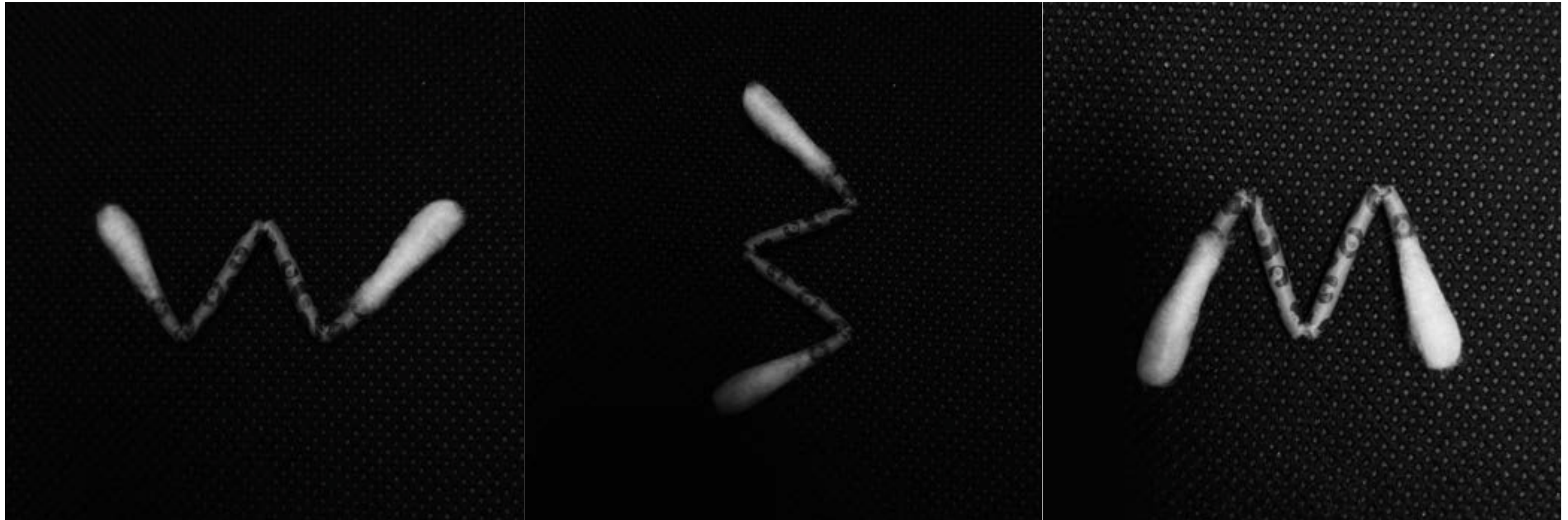


**Phase 4 — 3 Featured Material+ Pairings**





**Phase 4 — 3 Featured Material+ Pairings**



**Phase 4 — 3 Featured Unpaired Material+ Forms**



**Phase 4 — 3 Featured Unpaired Material+ Forms**



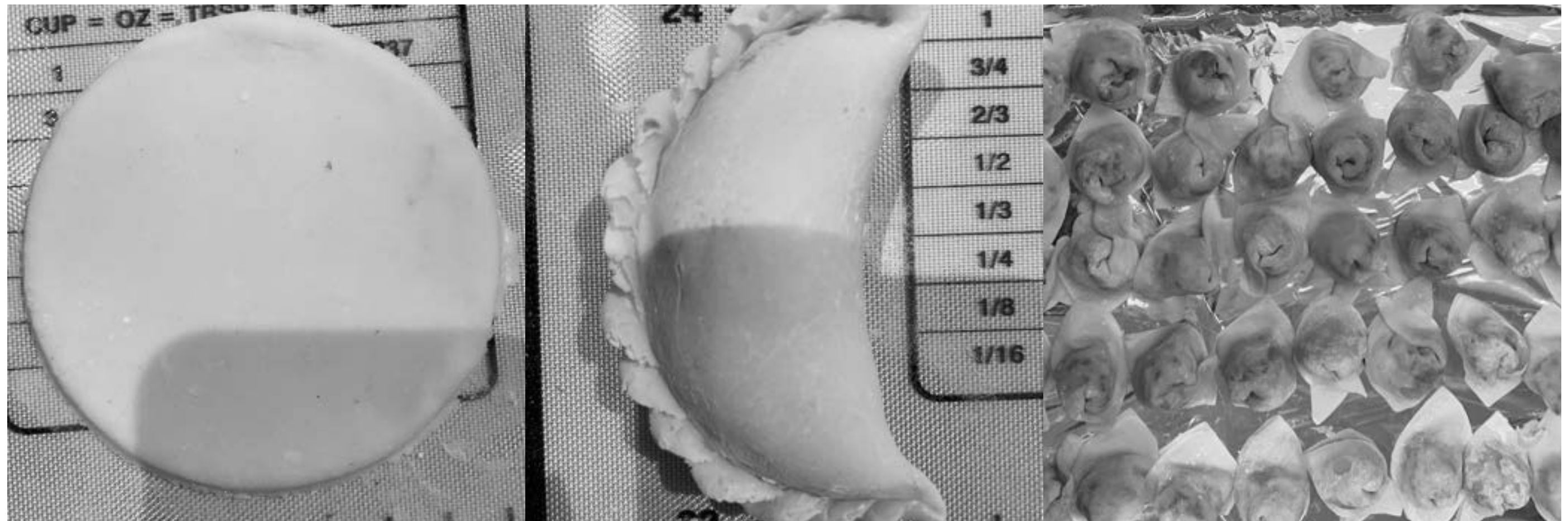


**Phase 4 — 3 Featured Unpaired Material+ Forms**



**Phase 4 — 3 Featured Unpaired Material+ Forms**





**Phase 4 — 3 Featured Unpaired Material+ Forms**



**Phase 4 — 3 Featured Unpaired Material+ Forms**

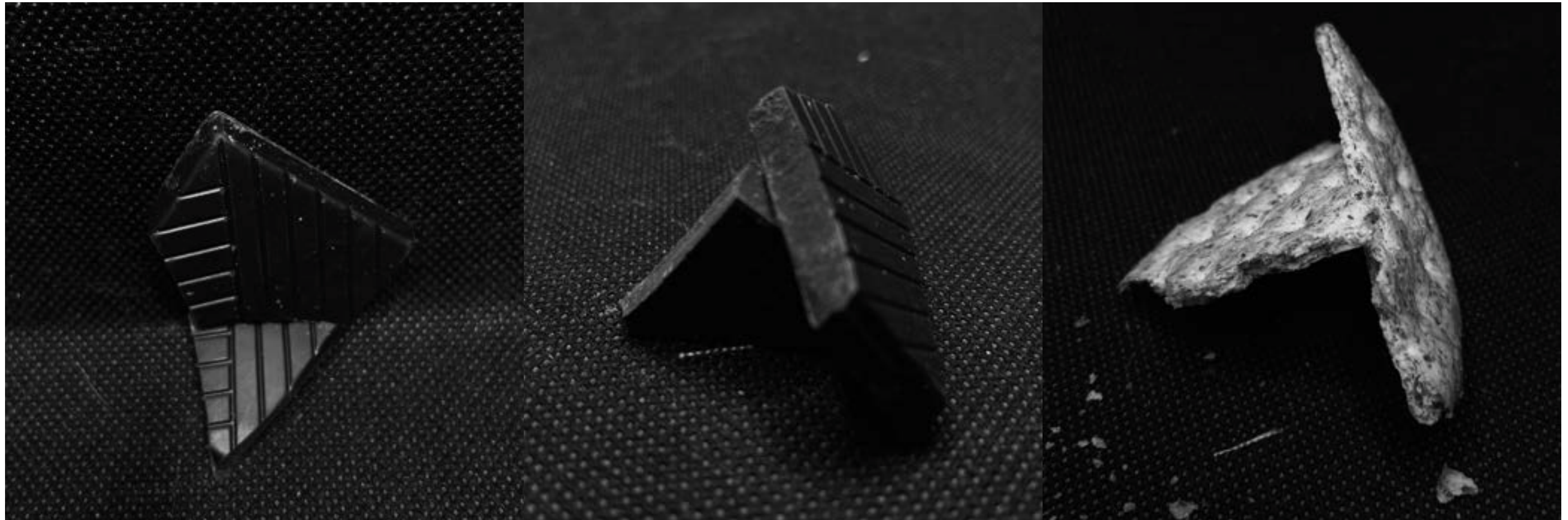


**Phase 4 — 3 Featured Unpaired Material+ Forms**





**Phase 4 — 3 Featured Unpaired Material+ Forms**



**Phase 4 — 3 Featured Unpaired Material+ Forms**