

Community for Creators of Origami

Is it Origami?

The Borders of Paper Folding

5TH CONVENTION - APRIL 04-06 2025 - HANOI - VIETNAM

Is it Original Origami?

The Borders of New Creation

What is a Fold?

Simon Schubert

A Fold

- A **transformation** of a **flat** sheet, so it is no longer flat, and in a way that this transformation is **important** to the resulting **shape**.
- Alternatively, a fold is a **change** in the plane of the paper, so you have at least a sheet of paper with **two areas** that do not share the same plane.

The Art (Act?) of Paper Folding

- When the creative process is directly related (as the outcome) to the folding process we will define it as Paper folding (AKA origami).
- It can also involve assembling but not necessarily.
- New arrangements of known folds (as twists or pleats) meet this criterion.

The Art (Act?) of Paper Folding

Alternative question - where will you put this person on the scale of paper folding? Would you be able to discuss with him the hardships of closed sink, or what is the better way to fold the preliminary base?



Why do we need to find the Borders?

- Decide who can become a CFC member
- Accept works for the Joisel Award

- Pop UP/Kirigami
- Quilling
- Flexagons
- Gift Wraps
- **Golden Venture**
- Knotology
- Paper Cut
- Papier-Mâché

- Collage
- Silhouette
- Paper Embossing
- **Book Folding**



Wikipedia

- Pop UP/Kirigami
- Quilling
- Flexagons
- Gift Wraps
- Golden Venture
- Knotology
- Paper Cut
- Papier-Mâché

- Collage
- Silhouette
- Paper Embossing
- Book Folding





- Pop UP/Kirigami
- Flexagons
- Gift Wraps
- Golden Venture
- Knotology



- Pop UP/Kirigami
- Flexagons
- Gift Wraps
- Golden Venture
- Knotology
- Book Folding



A Cut

- Octagon = a square that you cut out or fold in its four corners.
- A cut that extends the perimeter of the paper is legitimate.
- A cut the add a perimeter inside the paper is just a valid slits or holes.

Alternatively

- Every folded paper is cut before you fold it, to get the initial shape and size you wish.
- So cuts are not the real question, but the starting shape.
- The starting shape is not relevant to the question of whether the paper is folded or not.

A cut

In!

Pop Up

- Pop-Up have folds and cuts. Is it in?
- The fold must be substantial to the final results, and the cuts.
- With Pop Up, you get the sapes from the cuts, and not the folds.

Pop Up

Out

Flexagons

• Mainly made and works thanks to real fold lines.



Scott Sherman



In!



Gift Wraps

• Mainly made and works thanks to real fold lines.



Daily Mail Online

Gift Wraps

In!



Pixelated Creation

• The ability to create any shape you wish with disregard to the shape of the unit, just by using enough repetitions of it.

Pixelated Creation





















Pixelated Creation



Pixelated Creation

In or out?

Pixelated Creation

out

A sumo wrestler folder Satoshi Kamiya

Knotology

- Mainly made and works thanks to real fold lines.
- Is the fold a substantial part of making the shape, or is it a pixel?
- "New arrangements of known folds (as twists or pleats) meet the criterion."





Knotology



Book Folding

- Works thanks to real fold lines.
- Folds can be replaced with cuts
- The work is made by assembly of the same fold, in different lengths.



Book Folding

out



Is it Original Origami?

The Borders of New Creation

The Pixel of Creativity

- What is the minimum amount of change to say this is a new creation? This amount equals **1 creative unit**.
- Unfortunately, no one can define that...
- So when can we say this is a new creation?

The Pixel of Creativity

- When a model presents new ideas, made by a new folding process yes.
- When the change in minor, and follow the same logic as the original no.
- When the variation asks for little effort and innovation no.
- When the variation asks for high level of understanding and ability yes.

Original Creation - Test Cases

- 1. **Paper balls** no since there is no intention in the process.
- 2. New variations on the windmill base no.
- 3. New variations on the Butterflies by Lafosse, following his book no.



Original Creation - Test Cases

- 1. New variations on a twist fold tess yes. You need a high level of understanding to organize a collection of twists. A new arrangement of twists (or other types of molecules) is also included.
- 2. **Modular Tessellations** no. The assembly is trivial to recreate once you know how to make the unit. The unit is a creation but the assembly is an application/variation only. The unit's creator can create the assembly and this will be considered origami, but not as a new creation.



