

Clover Folding Lookalike

designed in September 2017 by Michał Kosmulski

<http://michal.kosmulski.org/origami/>

https://www.flickr.com/photos/kosmulski_origami/

This is a design of mine which looks very similar to Shuzo Fujimoto's Clover Folding but has a completely different structure and CP.

Dirk Eisner noticed that this tessellation is actually just a minor modification of the Koi Fish Scales described in Robert J. Lang's *Origami Design Secrets* and uses a device known as Inverted Square Twists, which I also used (without knowing the name) in a number of my other designs, most notably the Square Pixel Tessellation.

The main difference in comparison to the original Clover Folding is that this model lacks the three-dimensionality in its central part. While Clover Folding becomes taller with each level of stacked tiles which form a pyramid, this model remains flat regardless of size. The spacing between individual tiles is less pronounced. The CP and precrease are quite a bit more complex to construct than in the original, but the advantage is more effective paper use: folded from a sheet of same size, the Lookalike is much larger than original Clover Folding.

Like Clover Folding, this model can be made larger and larger depending on how big a grid you use. The version shown here is based around a 32×32 grid and the resulting model corresponds to Clover Folding made from a 22×22 grid (3 levels plus leaves).

The precrease (on the left) can be constructed by pure folding. First, fold the horizontal and vertical creases, then the diagonals. Circles mark points where you need to pinch centers of segments in order to be able to construct the small squares later on. Gray areas are the visible parts of the tessellation where you want to avoid making unnecessary creases.

