# Cluster Tessellation (Clover Base variant)

designed in 2016 by Michał Kosmulski — http://michal.kosmulski.org/origami/



This tessellation uses a molecule based around a 6×6 grid. The image to the right shows a 3×3 array of molecules with an extra grid unit of spacing between molecules and around the margin.

It is possible to create tessellations with the same cluster pattern of four joined pyramids but with different patterns on the background plane. The variant presented here has the cleanest background with just four radial creases visible around each cluster.

One way to collapse a single molecule is as follows:

1. Start with what I call the Clover Base: it's as if you folded a level 1 Clover Folding by Shuzo Fujimoto. Instructions for Clover Folding can be found online.

2. The top of the base consists of a square. Fold its corners to the midpoint and unfold.

3. Insert your fingers between the layers of two opposite sides of the square.

4. Squeeze your fingers together, bringing the middle points of the two sides to a single point above the square's center.

5. Pop out the four pyramids along precreased lines.