

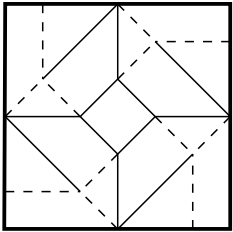
Squares and Crosses Tessellation

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

The molecule is based around a twist so adjacent molecules have opposite turning directions (chirality). This matters while you fold but is not easily visible in the finished tessellation since the twist is hidden below the central square. The image to the right shows a 3×3 array of molecules with an extra margin around the whole composition.

One way to collapse a single molecule is as follows:

1. Collapse along the crease pattern shown below into a 3D cube with triangular “supports”. Some creases have a different orientation (valley-mountain) than in the finished molecule and some are not in final CP at all.



2. Twist right and flatten. This will result in Ninja Star Tessellation (designed independently by several people before me).

3. Reverse fold the triangular rays of the star to form smaller flaps. The molecule is ready.

