Iso-Area Offset Triangle Twist

This tessellation consists of triangular twists- not much different than a standard triangular twist tessellation. However, rather than using standard pleats to create the connections between the twists, we have made some different angles by using alternative connecting points on the triangular grid. You can see the basic shape in the image below; the tessellation is formed primarily from these pointy triangular stars. Due to the way they tile, we get a nice iso-area twist pattern from them, with a parallelogram-shaped connecting pleat.

As long as you take care to remember which sections are which, to maintain the iso-area nature of this piece, it all folds together quite easily.

There are two crease patterns attached- one with the grids included, and one without. The actual crease pattern is the same, so use whichever one you prefer.

As always, I encourage you to try folding this from a grid of precreased paper, instructions for which are available on my website: http://www.origamitessellations.com.

-Eric Gjerde

This document is released under the Creative Commons Attribution-NonCommercial 2.0 license. This allows you to freely copy, distribute, display, and perform this work under the following conditions:

Attribution: You must give the original author credit.

Noncommercial: You may not use this work for commercial purposes.

Any of these conditions can be waived if you get permission from the copyright holder (Eric Gjerde, origomi@mac.com).

Your fair use and other rights are in no way affected by the above.

The full legal license is available at: http://creativecommons.org/licenses/by-nc/2.0/