

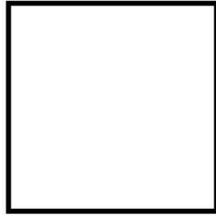
MathFest 2026 SIGMAA-EM Sustainability and Environmental Visual Arts Triangle Tessellation

To better understand sustainability or environmental topics, visualizations are often helpful - such as satellite imaging of the polar ice caps, graphs of CO2 levels on Mauna Loa, the Recycle your attitude plastic water bottle sculpture, and the Crochet Coral Reefs collaboration. It is through art, photography, data visualizations, and other visual representations that people attempt to interpret and communicate the world and its largest challenges. During MathFest 2025, the SIGMAA Environmental Mathematics (SIGMAA-EM) displayed visual artworks that communicated sustainability, or environmental issues, in a community or our world.

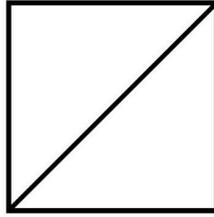
The SIGMAA-EM Sustainability and Environmental Visual Arts (SEVA) Triangle Tessellation Exhibition will be installed in the MathFest 2026 Boston Conference Exhibit Hall, August 5-8, 2026, on upright panels. The shape of this year's SEVA entries will be two congruent isosceles right triangles, joined at their hypotenuses to form a square, rotated 45 degrees to create a diamond shape. SEVA Triangle Tessellations artwork will be accepted online before June 1, 2026 using the [Google Form \(here\)](#) and onsite during MathFest 2026. You will need a Gmail account to use the Google Form. If you do not have one, please email [Bronna Butler](mailto:Butlerba3@gmail.com), (Butlerba3@gmail.com). She will assist you regarding your submission and answer any other SEVA Exhibition questions that you may have.



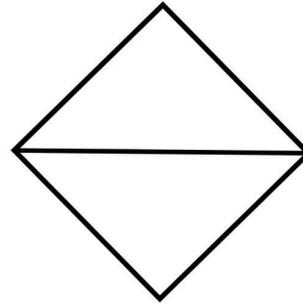
Two congruent isosceles right triangles, joined at their hypotenuses to form a square, have been rotated to create a diamond shape. Submissions of paired-triangles/diamond-shapes should be oriented as the sample above. The SEVA mathematical artwork should include the artist's name(s) and email address(es) in the diamond image/design.



Draw a Square



Draw a line from one vertex to the opposite vertex to create 2 congruent isosceles right triangles joined at their hypotenuses.



Rotate the square 45 degrees to create the 2026 SEVA Exhibition diamond

Your final pair of triangles (square/diamond) will be printed with 7.5 inch sides.

Applicants can hand-draw their paired-isosceles-right-triangles/diamond-shaped-artworks, photograph them digitally, and upload the photo-files to the [SIGMAA EM SEVA Triangle Tessellation application](#).

Applicants could also create digital designs of their paired-triangles/diamond-shaped artworks using Microsoft PowerPoint, Word, Outlook, or Excel (<https://support.microsoft.com/en-us/office/crop-a-picture-to-fit-in-a-shape-1ce8cf89-6a19-4ee4-82ca-4f8e81469590>), as well as Adobe Illustrator, Photoshop or software apps like Canva.

The paired-triangles/diamond-shaped artworks uploaded online will be printed by the SIGMAA-EM on 8.5 x 11-inch cardstock, cut out and assembled (tessellated) with the other paired-triangles/diamond-shaped artworks to exhibit at MAA sectional and national conferences. There is no physical shipping of the artworks. When you enter your online application, you agree to allow your paired-triangles/diamond artworks to be shown with, and to appear in photographs of, the 2026 SEVA Triangle Tessellation. The Exhibition will be available on the [SIGMAA-EM website](#).

Applicants can submit up to three paired-isosceles-right-triangles/diamond-shaped SEVA artworks. Please complete a Google Form for each submission.

Visual artworks created through collaborations are encouraged. Submissions must include sustainability and environmental content.

For more information and to enter your submission go to: <https://forms.gle/x5m94JTX7e9QE6DU7> . Once again, you will need a Gmail account to use the Google Form. If you do not have one, please email [Bronna Butler](mailto:BronnaButler). Also, email Bronna regarding any questions, Butlerba3@gmail.com