

Mathematics, Art, and Creativity

A talk by CARMA & MATRIX to launch 2025 Math Art Competition



Date:	14 March 2025	
Times:	Pies: 3:30 – 4:00 PM	Talk: 4:00 – 5:00 PM
Venues:	Pies: Peter Hall Staff Tea Room (G62) https://go.unimelb.edu.au/86np	Talk: Old Geology Theatre 1 (G04) https://go.unimelb.edu.au/r5ex
Zoom Webinar:	https://go.unimelb.edu.au/a9z8	



Dr Katherine Seaton

Adjunct Associate Professor (Latrobe)

Abstract

The theme chosen for the 2025 International Day of Mathematics— or Pi Day, as dates are written in some countries: third month, fourteenth day— is Mathematics, Art, and Creativity. This provides us the perfect opportunity both to launch a participatory maths art activity, and to consider mathematical art more generally. With a focus on properties of Pi, come for an evening stroll past mathematical visual and textile art that I hope will inspire your own creativity. Yes, there will be circles, but so much more.

Bio

Katherine Seaton is an Adjunct Associate Professor at La Trobe University, where she worked in mathematics teaching, outreach and research for over twenty-seven years. Her published work ranges across statistical physics, tertiary mathematics education, academic integrity and mathematical art. She is the author of the recent book *A Stitch in Line: Mathematics and One-Stitch Sashiko*. Katherine is a strong advocate for using fibre arts to widen perspectives on what it means to do mathematics and on who is a mathematician. She is an Associate Editor of the *Journal of Mathematics and the Arts* and has spoken and exhibited *hitomezashi* at Bridges conferences since 2018.

CARMA – MATRIX Math Art Competition

Established in 2020, it celebrates Mathematical Art and Communication through an online competition and gallery: <https://carmamaths.org/art/gallery/competition/>

The competition has showcased a diverse range of entries from Australia and internationally, featuring various media. Artworks explore mathematical concepts like symmetry, randomness, and nature inspired design. Since 2022, CARMA and MATRIX have partnered to run the competition, with MATRIX hosting the exhibition of award-winning works at their Creswick facility.