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We are pleased to announce a **Math and Art Minisymposium**, taking place during the **Annual ÖMG-DMV Meeting** in **Linz, Austria**, from **September 1-5, 2025**. Hosted both **in-person** and **online**, this event will bring together researchers, artists, and educators to explore how mathematics intersects with various art forms, from painting and sculpture to digital media. Through **talks** and an **exhibit**, we aim to highlight the different ways in which mathematics can inspire art and art illuminate mathematics.

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**Math and Art Minisymposium  
at Annual OeMG-DMV Meeting in  
Linz, Austria, September 1 - 5, 2025**



Organized by Marlene Knoche and Diaaeldin Taha

Truchet tiles were first described by Sébastien Truchet in 1704 in a memoir titled „Mémoire sur les combinaisons“ and were further studied by Cyril Stanley Smith in 1987. An infinite set of patterns can be created using those tiles, which makes them an interesting subject for both mathematics and art.

Artwork by Marlene Knoche using colored truchet tiles. Created by using the Truchet Pattern Generator by Semih Özen.

## Focus

Our minisymposium aims to bring together researchers, artists, and educators interested in the synergy between mathematics and the arts. We seek presentations that illustrate:

1. **Artistic objects or projects** with strong mathematical components that also focus on communicating those components to the public.
2. **Educational practices or outreach efforts** showcasing how mathematics and the arts can

be effectively combined in high school, university, or public settings.

3. **Mathematical objects or projects** that invite a discussion of their representations, e.g., using images, 3D prints, software tools, etc.

We welcome contributions from a wide array of art forms (e.g., painting, sculpture, architecture, textiles, or music) that explicitly illuminate the mathematical content.

## Talks

We particularly encourage talk proposals that highlight educational or outreach dimensions, including a clear learning outcome for audiences. For example, not merely stating that a piece by Escher contains mathematics, but identifying specific concepts such as wallpaper groups and explaining their significance.

In addition, we invite presentations on illustrations of mathematical concepts or objects. These should not only convey the underlying mathematics but also spark discussion on visualization and illustration practices.

## Exhibit

We will have **exhibit space** at the meeting, allowing participants to showcase:

- 3D-printed or sculpted works
- Printed artwork or posters
- Digital works displayed on monitors
- Other formats by arrangement

If you wish to exhibit a piece, please email us at [math.art.dmv2025@gmail.com](mailto:math.art.dmv2025@gmail.com) so we can make the necessary arrangements.

## Publishing in w/k

Selected authors will be invited to expand their abstracts into full contributions for publication in the **peer-reviewed online journal "w/k."** You can find examples of such articles from previous Mathematics and Art minisymposia here: 2020 articles and 2021 articles.

## Submission Guidelines

- The **official language** of the minisymposium is **English**.
- Each talk is allocated **20 minutes**, followed by **5 minutes** for questions and discussion.
- To propose a talk, please send:
  - An **abstract** of **1,000 to 1,500 characters** (including spaces).
  - At least one **illustration** (e.g., an image, link to a video, or other supporting material).

- **Deadline:** March 21st, 2025
- **Submission email:** [math.art.dmv2025@gmail.com](mailto:math.art.dmv2025@gmail.com)

## Important Dates

- **Deadline for Talk Proposals:** March 21st, 2025
- **Acceptance Notification:** April 4th, 2025
- **Conference:** September 1–5, 2025, Linz, Austria (Minisymposium also accessible online)
- **Notification for Contributions Selected for Publication:** October 2025

## Contact

If you have any questions, please feel free to **email us** at [math.art.dmv2025@gmail.com](mailto:math.art.dmv2025@gmail.com).

We look forward to hearing from you!

The **Organizers:** Marlene Knoche and Diaaeldin Taha

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