## Mathematics and Art

Vadim Semenov

The Moscow Institute of Physics and Technology

February 21, 2023

#### Introduction

Mathematics and art have much more in common than most people think. In fact, the two topics are closely intertwined. From the art of the Greeks and Egyptians to modern sculpture, mathematics can be found in many forms of art.

# Importance of mathematics in art



### Mathematics contribution



Tessellations Symmetry

## Color theory



#### Conclusion

Mathematics can be found in art in the form of structure, form, pattern, color, and composition. Without mathematics, art would be much less interesting and engaging.