

Tutorial 1b Symmetry and Self-similarity

Shekhar "Shakes" Chandra

1 Groups

Define the four main elements of a Group and explain why each element is required to ensure that a Group is a complete abstract structure. Given an example of how a Group can be used to describe symmetry.

2 Fractals

Give a definition and an example of a fractal pattern. Explain how we can tell if a pattern is fractal or not.