

Fractals

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Abstract

0 Keywords & Preliminaries

Definition 0.1. An ‘ideal’ fractal is a scale independent geometric object. Scale independent meaning that the scale on which the object is viewed does not affect the appearance. [1]

Definition 0.2. A ‘real’ fractal is a physical object which resembles a fractal one over certain scales. However, the object size sets an upper limit on the scale at which the fractal properties are observed, and of course, the resolution sets, a less defined, lower bound. [1]

1 Background & Theory

This lab concerns the analysis of fractal growth under varying conditions.

2 Procedure

3 Results

4 Discussion

Appendix

References

[1] Junior sophister laboratory handbook: Fractals, Jul 2023.