

# Analysis of Koch Snowflakes and Fractals

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October 27, 2017

### **Abstract**

The purpose of this report is to use Maple to develop equations for arbitrary values of the areas and perimeters of classic square and triangular fractals. It will discuss the methods used and ideas learned over the course of the project. This project will use knowledge of recursive series, equations using summation and pattern recognition to complete the area and perimeter calculation objective. This is due to the nature of fractals and geometric series.