**Derek Frank**

**AMS 114**

**Homework #9**

**Fractals**

Fractals are complex geometric shapes with fine structure at arbitrarily small scales. Usually they have some degree of self-similarity. Sometimes the similarity is exact; more often it is only approximate or statistical.

**Cantor Set**

* Fractal Properties of the Cantor Set, :
  +  has structure at arbitrarily small scales.