

Read over the following questions before watching NOVA's *Fractals: Hunting the Hidden Dimension*; then answer the questions as you watch or after you watch. A link to the video can be found on our class website. Please note that the video is slightly dated in terms of technology and cultural references, but it is one of the best introductions to fractals that I have come across. We will spend some time at the beginning of the last week of class going in depth into ideas behind fractals, so this should prepare you well for that. It is worth 10 points added into your text category in the gradebook.

What are some applications of fractal geometry? (List at least 3, and be sure to use full sentences in your answer.)

What application of fractals most caught your attention, and why?

Though fractal geometry provides amazing, powerful and widely applicable results, many mathematicians and scientists did not accept this new branch of mathematics at first. Why not?

From what you've seen in the video, what are some characteristics of all fractals?