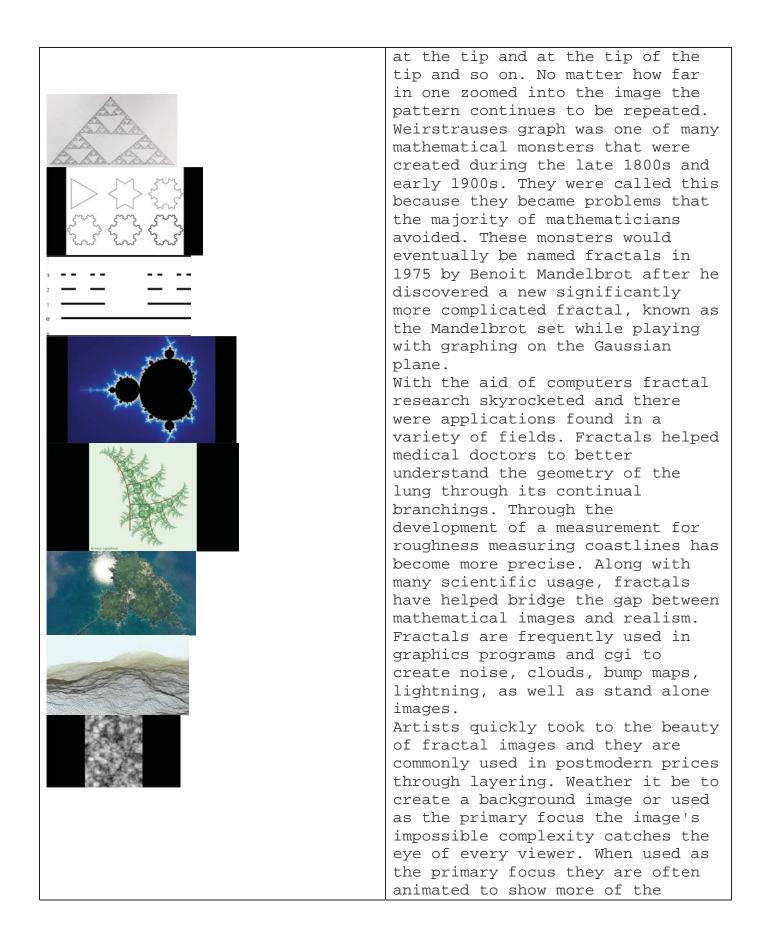
Video	Audio
	Fractal art is an artistic movement that began in the 1980's. Fractal art is an art from which uses fractal algorithms and computer generated images to create works of art. In order to understand exactly what fractal art is one must first come to understand fractals. A fractal is a geometric concept that uses an
	algorithm to plot points in a repeating pattern in such a way that a given portion of the fractal can be equivalent to the whole. This concept is known as Recursive self similarity. The earliest records of the idea of recursive self similarity trace back to the seventeenth century polymath and philosopher Gottfried Leibniz. Leibniz however was only able to provide a straight line as
y 4 3 2 2 1 1 2 2 1 2 2 1 2 2 3 4 X 1 2 2 3 4 X 1 3 3 1 2 2 3 4 X 1 3 3 4 X 1 1 1 2 3 4 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	an example. When a line is represented in two different scales of equal ratio and position of origin the lines appear identical even if domain and range displayed are not equivalent. While his example is not particularly mind blowing it introduces the idea of self similarity which is key to understanding fractals. Nearly two centuries later Karl
M M M M M M M M M M M M M M M M M M M	Weirstraus presented the Weirstraus function which was every where continuous but in no place differentiable. The function, which was described as the sum of a Fourier series, also showed self similarity. If one zoomed on the lowest point they would find that at the point the pattern of the loop was repeated



	<pre>fractal. 3D fractals have been used for camera fly throughs as well as animated through mutations. Fractals also have a strong philosophical appeal Carlos Ginzburg takes advantage of this when he creates prices which depict what he calls homo fractalus. He describes homo</pre>
	fractalus to be the fractal human being where the totality of life is also in the detail. While his works are not perfectly mathematical they mimic the
	complexity, roughness, and self similarity of fractal images. Another artist, William Latham, developed a method of creating computer generated artwork called evolutionary art work.
	Evolutionary art takes computer generated images such as fractals and ranks them for aesthetic value and then randomly decides which images survive based proportionally on the aesthetic
Ever reput	values. The survivors underlying codes are combined in pairs in the step called breeding. The new population is ranked again based on aesthetic value and the process
	repeats itself. As long as digital art continues as an artistic media fractal art isn't going away. Even if the focus is drawn away from the fractals themselves they will be
	hidden in every generated cloud and mountain, aiding the artist to bridge the gap between the hard surface of the computer generated images and the rough perfection of nature.