

1023-E5-375

Mary Ann Connors* (mconnors@wsc.ma.edu), Department of Mathematics, Westfield State College, Westfield, MA. *Exploring Fractals from Cantor Dust to the Fractal Skewed Web.*

In this session information will be provided for exploring strictly self-similar fractals ranging from Cantor Dust to the Fractal Skewed Web (Sierpinski Tetrahedron) and Menger Sponge. The presenter will demonstrate the surprisingly different and/or unconnected ways of generating the same fractal and computing the fractal dimension. For example, many students are surprised to discover what must be removed from a tetrahedron to iterate the Fractal Skewed Web. (Received September 26, 2006)