1135-30-1818 **Eric Chang*** (changer@bu.edu). *The Sierpinski Mandelbrot Arc.*

We identify a structure that lies in the parameter plane of the map $F(z) = z^2 + \lambda/z^3$ where z and λ are complex. A "Sierpindelbrot arc" consists of infinitely many alternating Mandelbrot sets and Sierpinski holes. This arc lies in the parameter plane for $F(z) = z^4 + \lambda/z^3$ as well as another type of arc. These two types of arcs together comprise a "Sierpinski Mandelbrot spiral." (Received September 26, 2017)