Images of the Mandelbrot set exhibit an elaborate and infinitely complicated [boundary](https://en.wikipedia.org/wiki/Boundary_(topology)) that reveals progressively ever-finer [recursive](https://en.wikipedia.org/wiki/Recursion) detail at increasing magnifications. In other words, the boundary of the Mandelbrot set is a [fractal curve](https://en.wikipedia.org/wiki/Fractal_curve). The "style" of this repeating detail depends on the region of the set being examined. The set's boundary also incorporates smaller versions of the main shape, so the [fractal](https://en.wikipedia.org/wiki/Fractal) property of [self-similarity](https://en.wikipedia.org/wiki/Self-similarity) applies to the entire set, and not just to its parts.

<https://en.wikipedia.org/wiki/Mandelbrot_set>