

Fractales: La Geometría del Caos

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07-01-2019 11:28:08

Resumen

Esta nota muestra una colección de fractales.

Introducción

Un fractal es un objeto geométrico en el que se repite el mismo patrón a diferentes escalas y con diferente orientación. los fractales tienen una estructura geométrica recursiva.

La expresión fractal viene del latín fractus, que significa fracturado, roto, irregular. la expresión y el concepto se atribuyen al matemático Benoit Mandelbrot (Mandelbrot, 1977 y 1982).

Dentro de la geometría fractal podemos distinguir dos tipos de fractales:

- Fractales regulares: Objetos contruidos a partir de copias exactas (escaladas) de si mismos.
- Fractales no regulares: Objetos auto- semejantes, pero que no están contruidos sólo a partir de copias exactas de si mismos.

Esta nota muestra una colección de fractales.

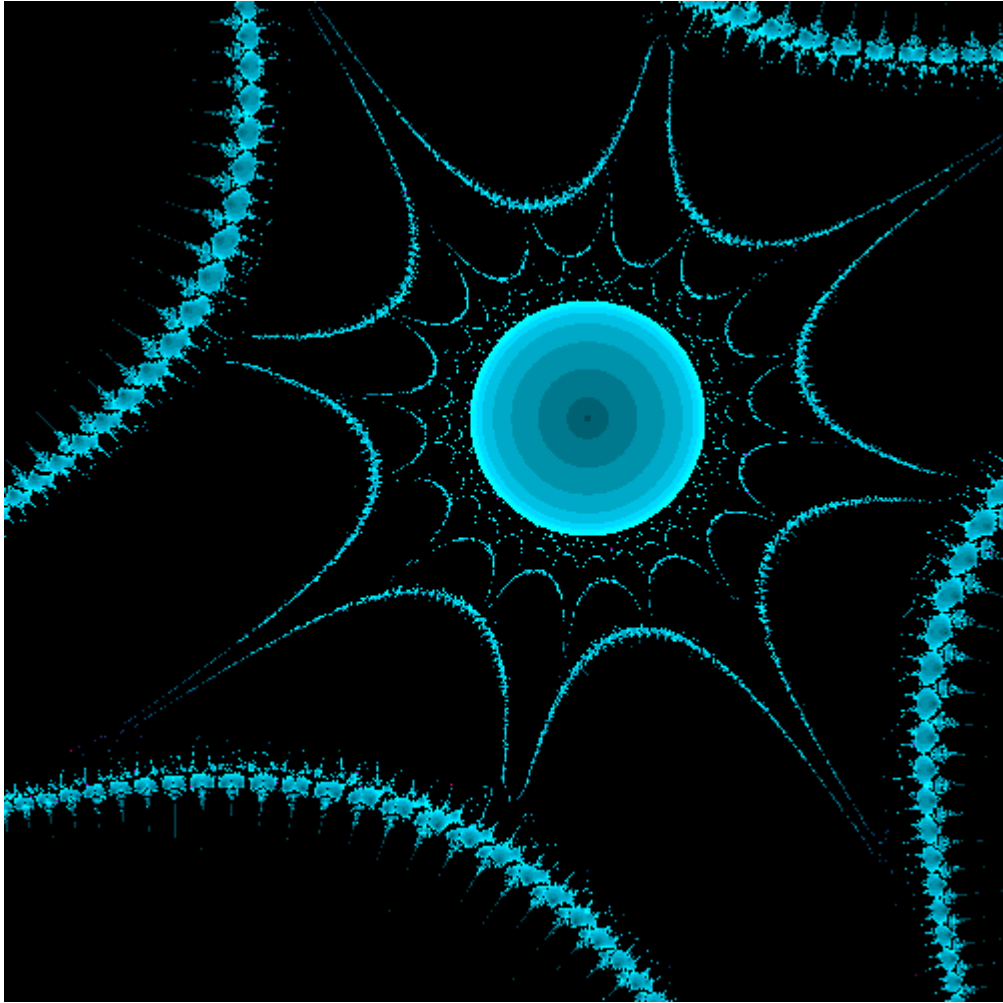


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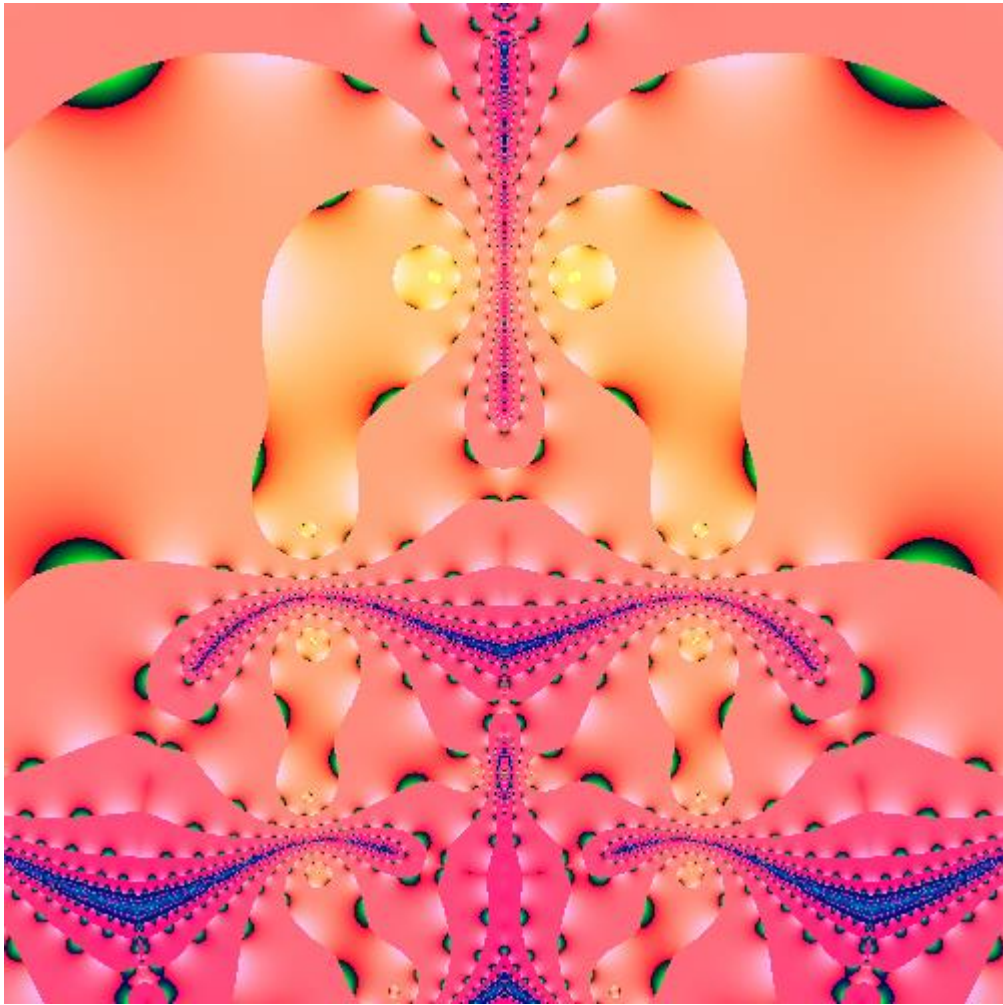


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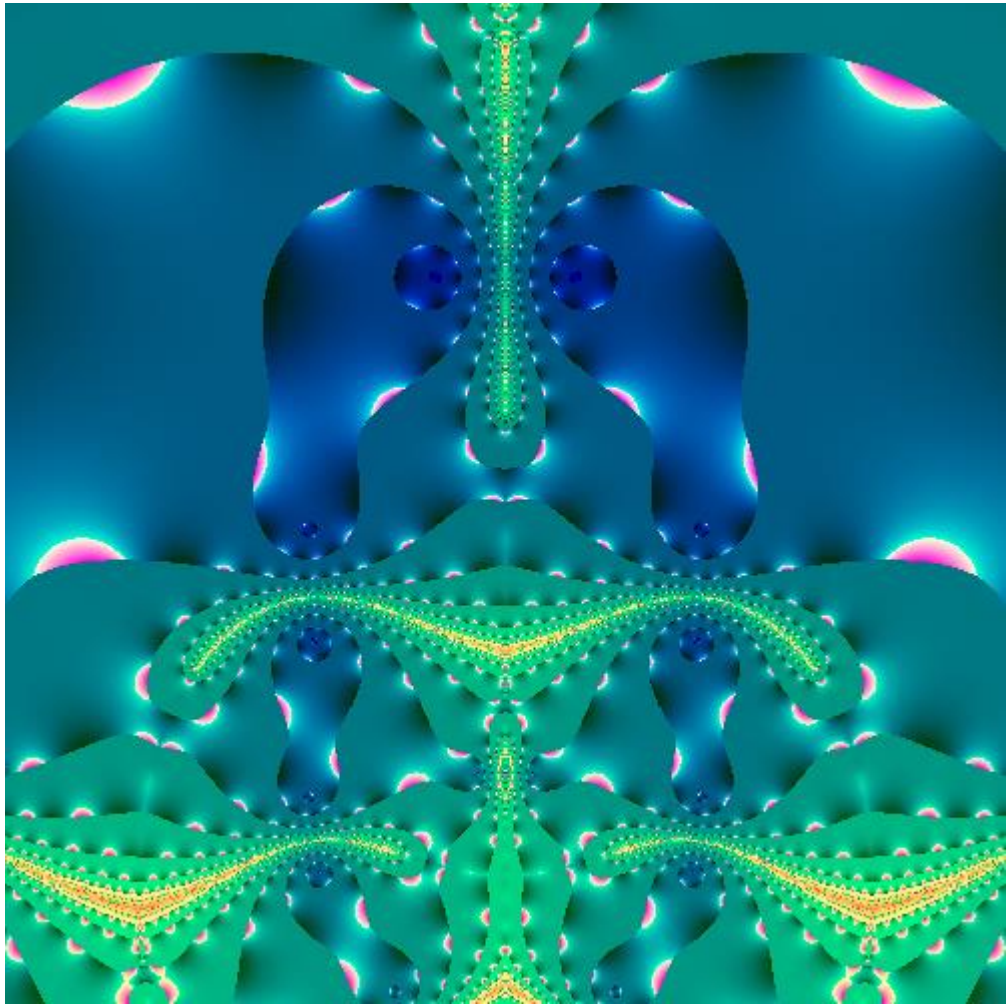


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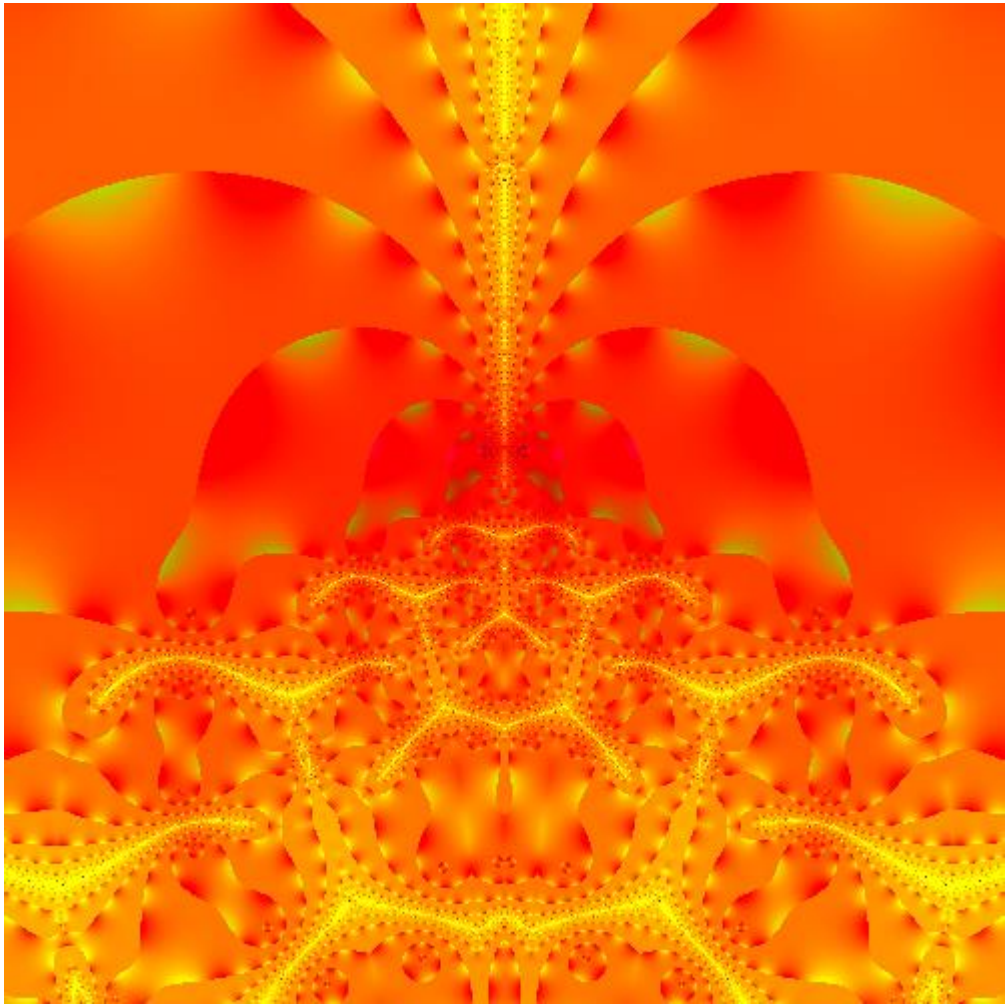


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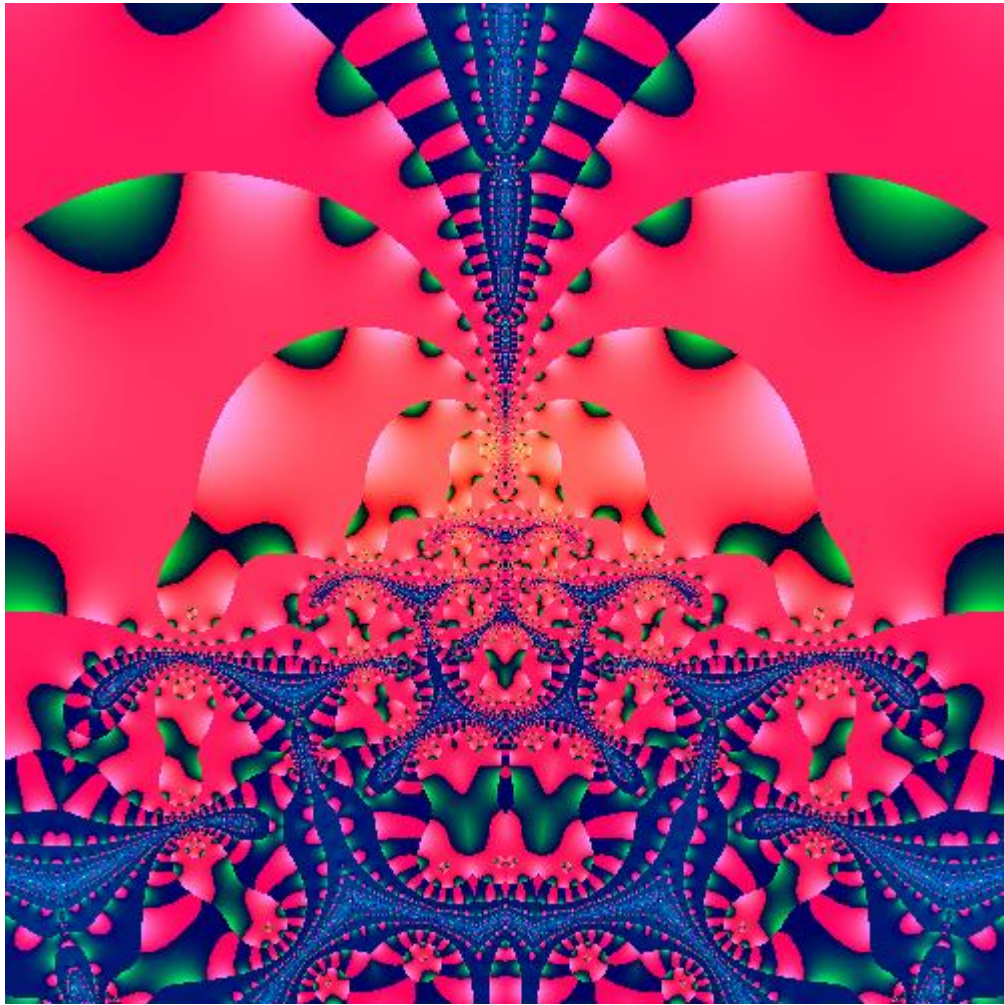


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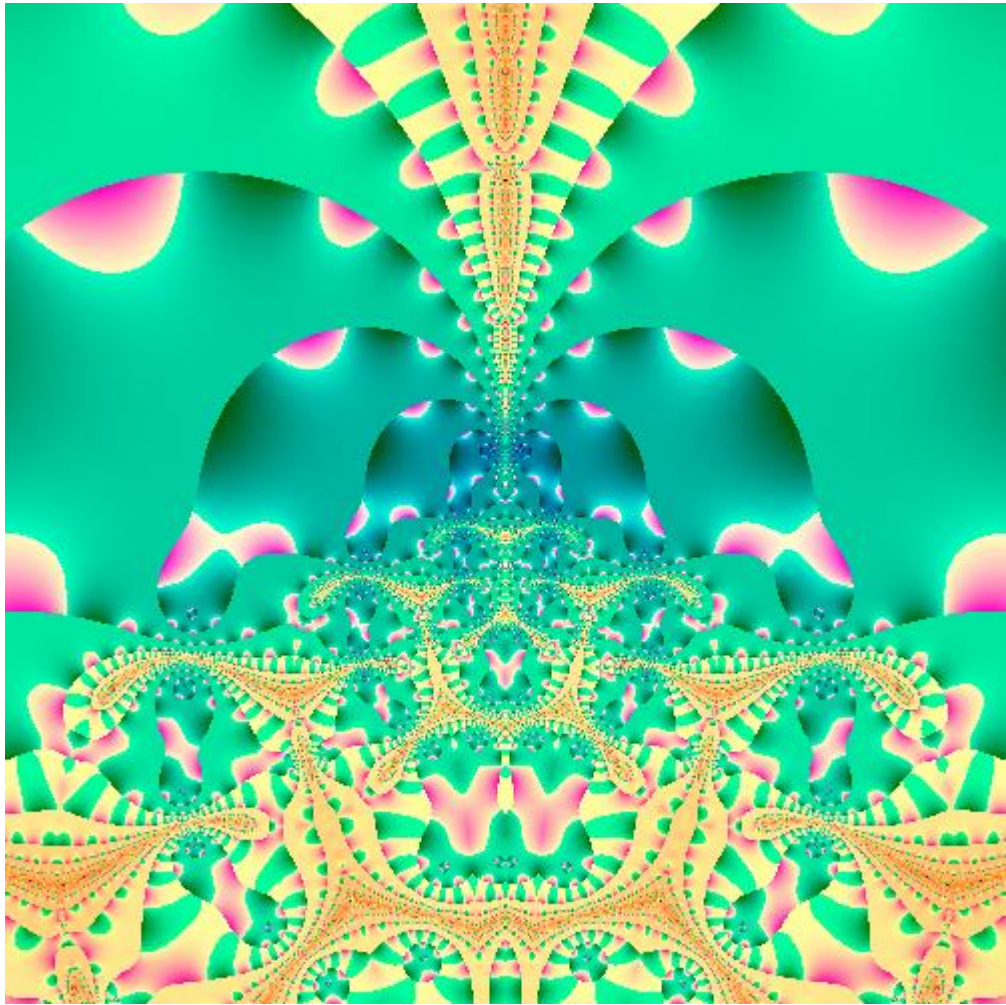


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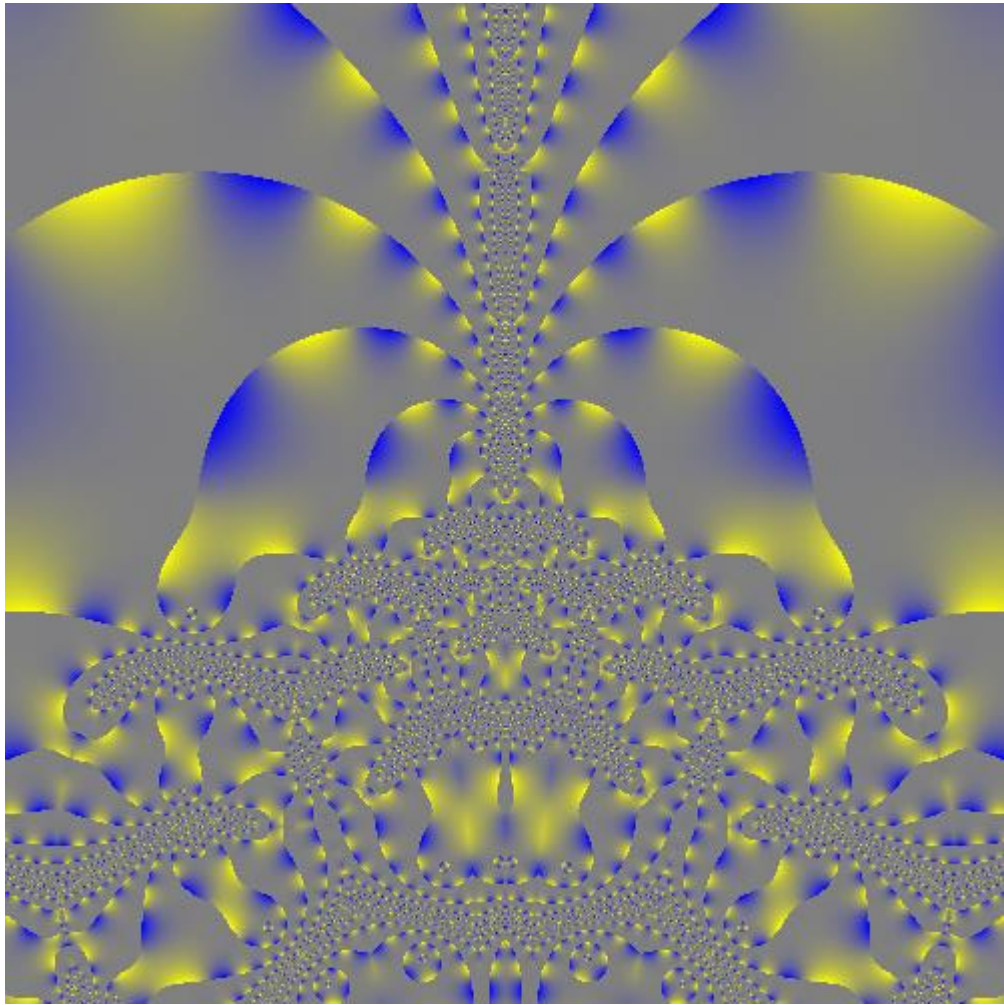


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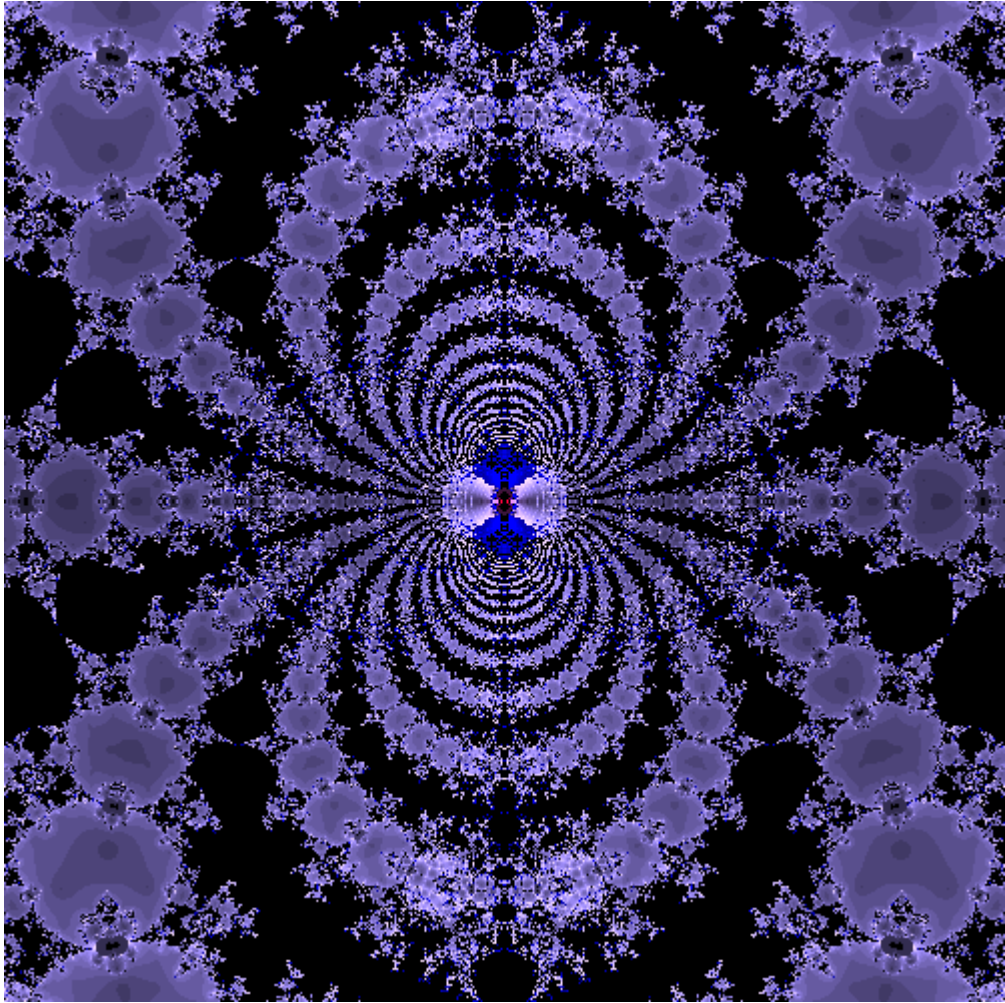


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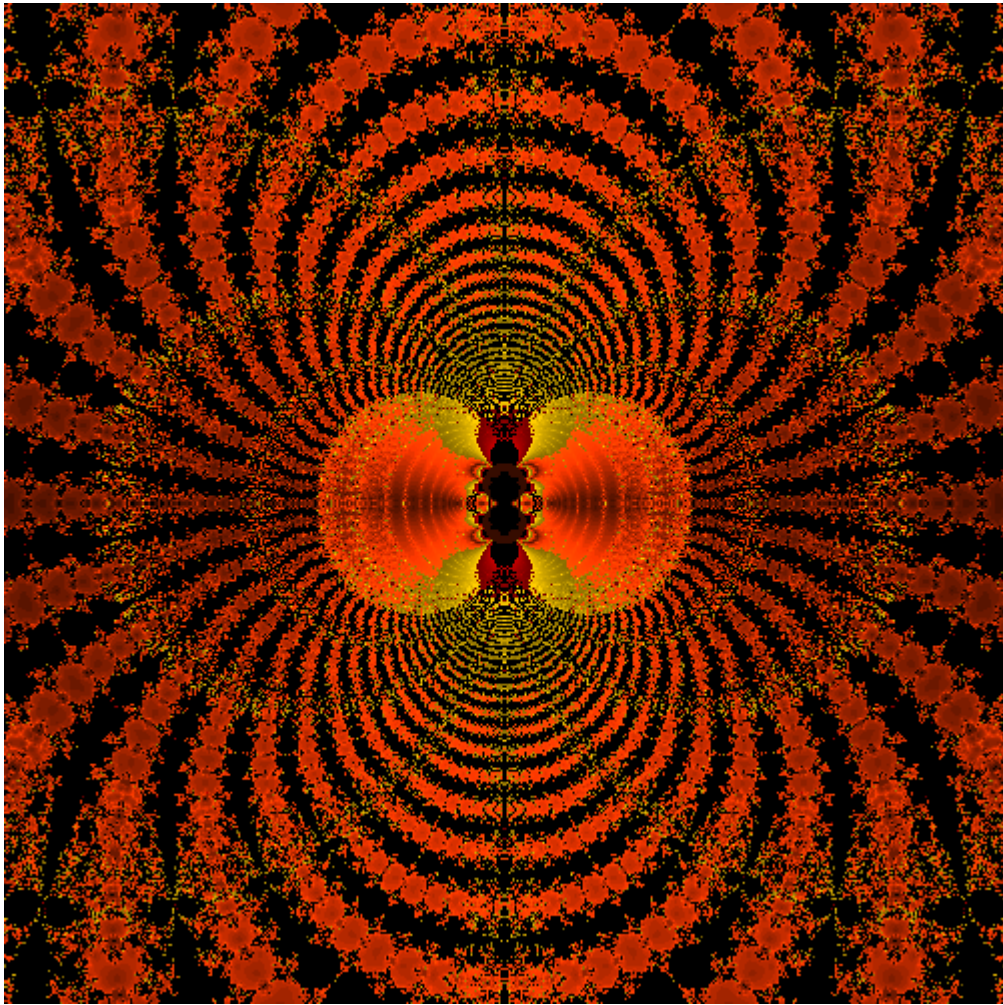


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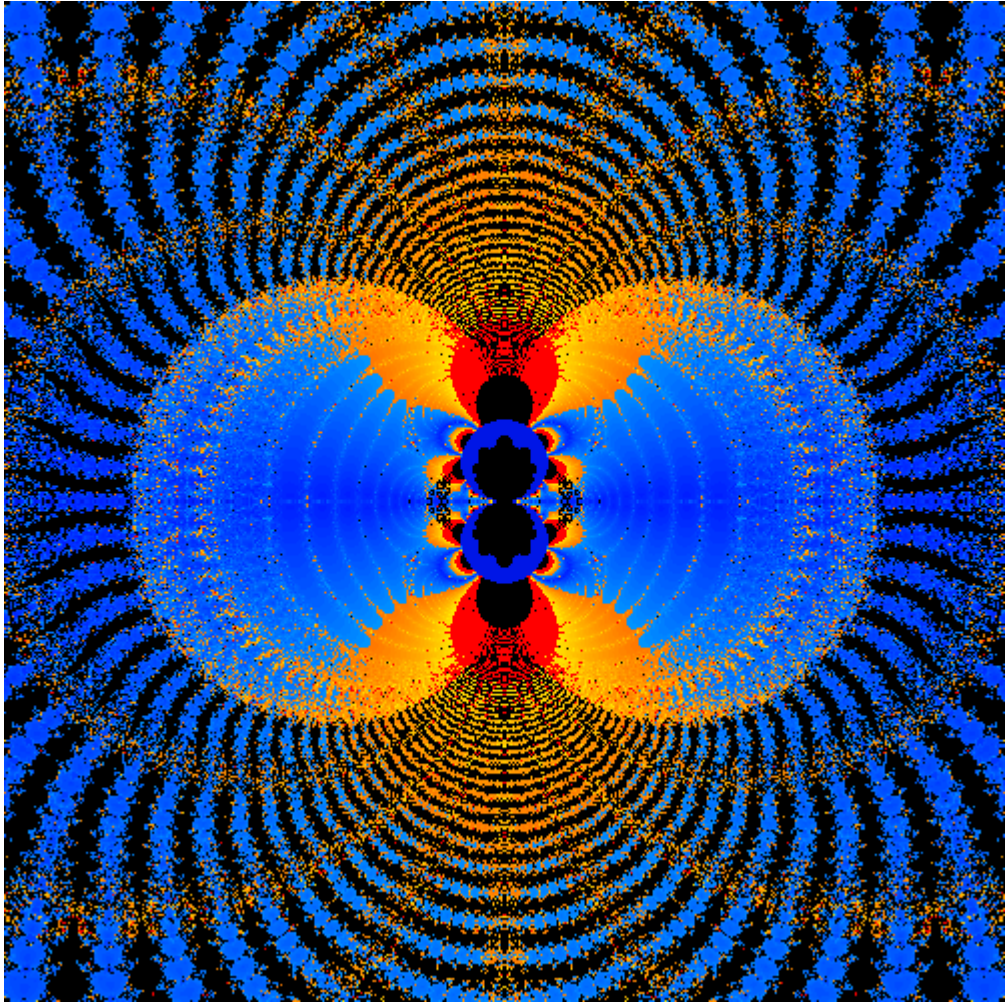


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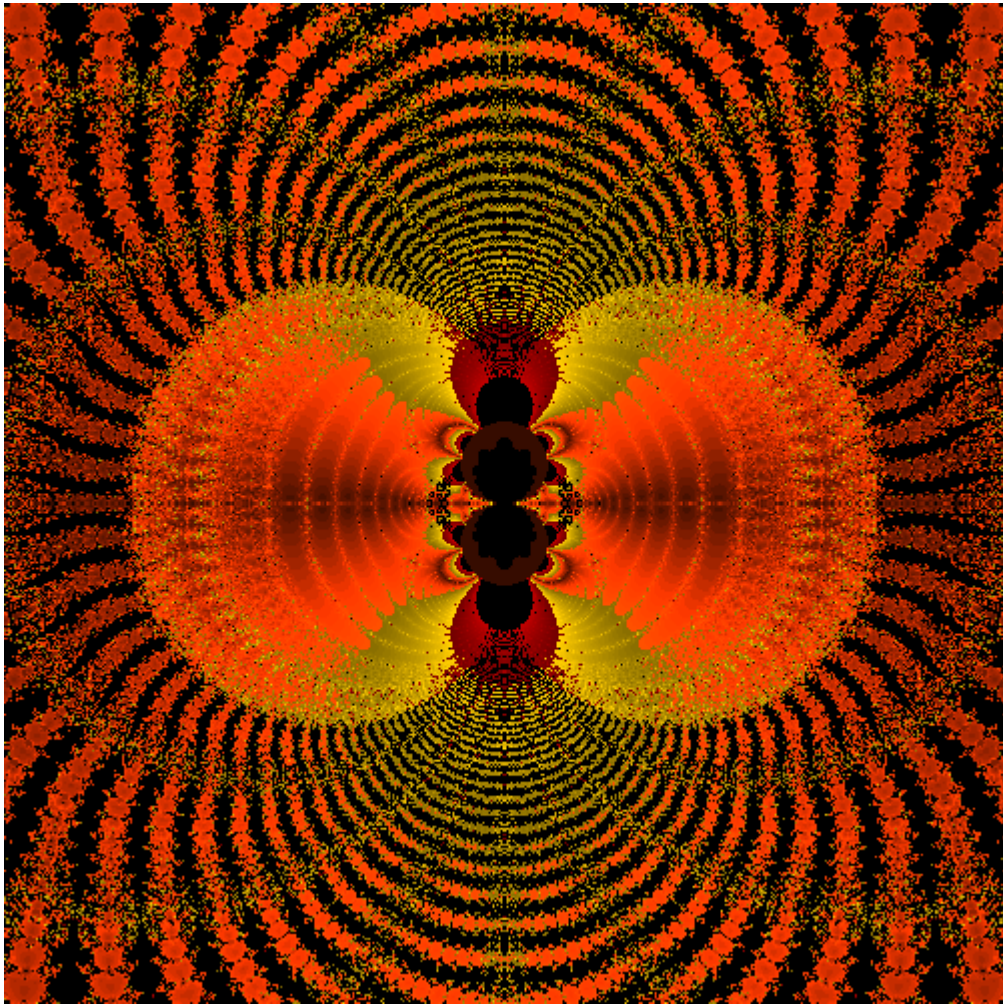


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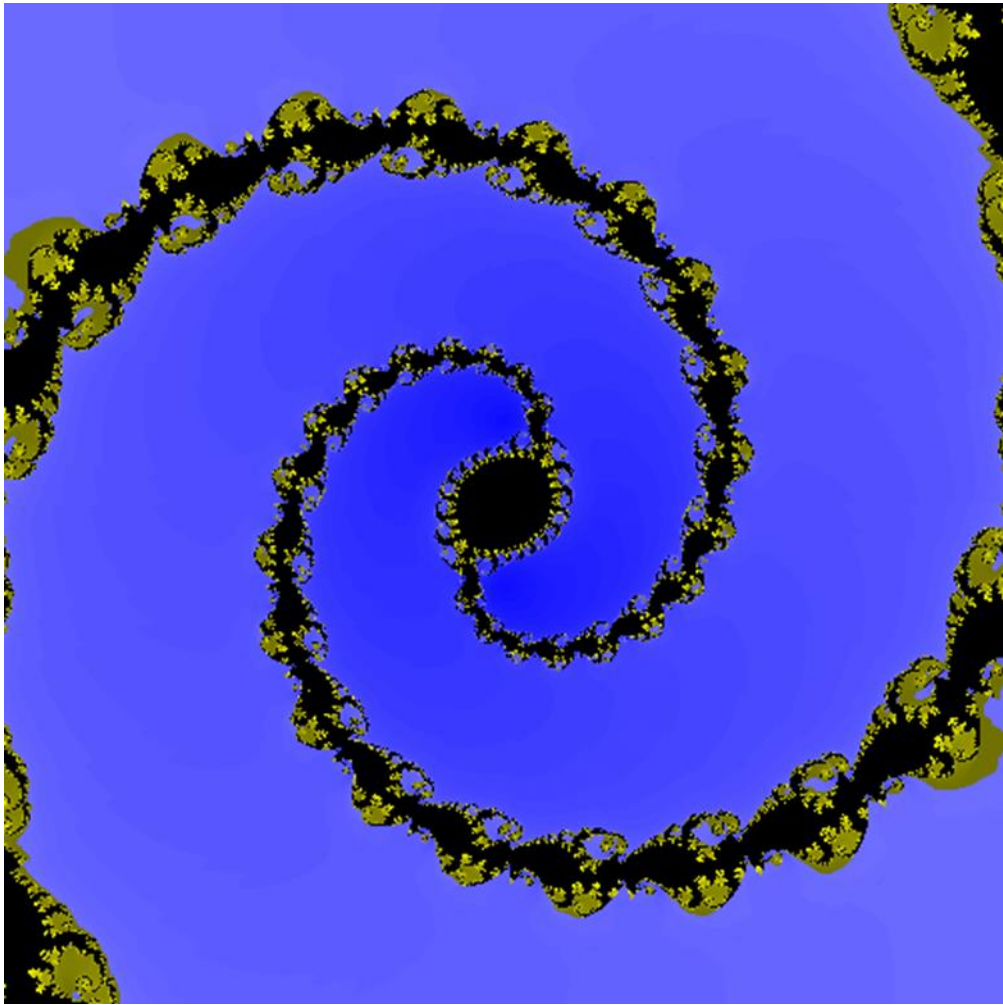


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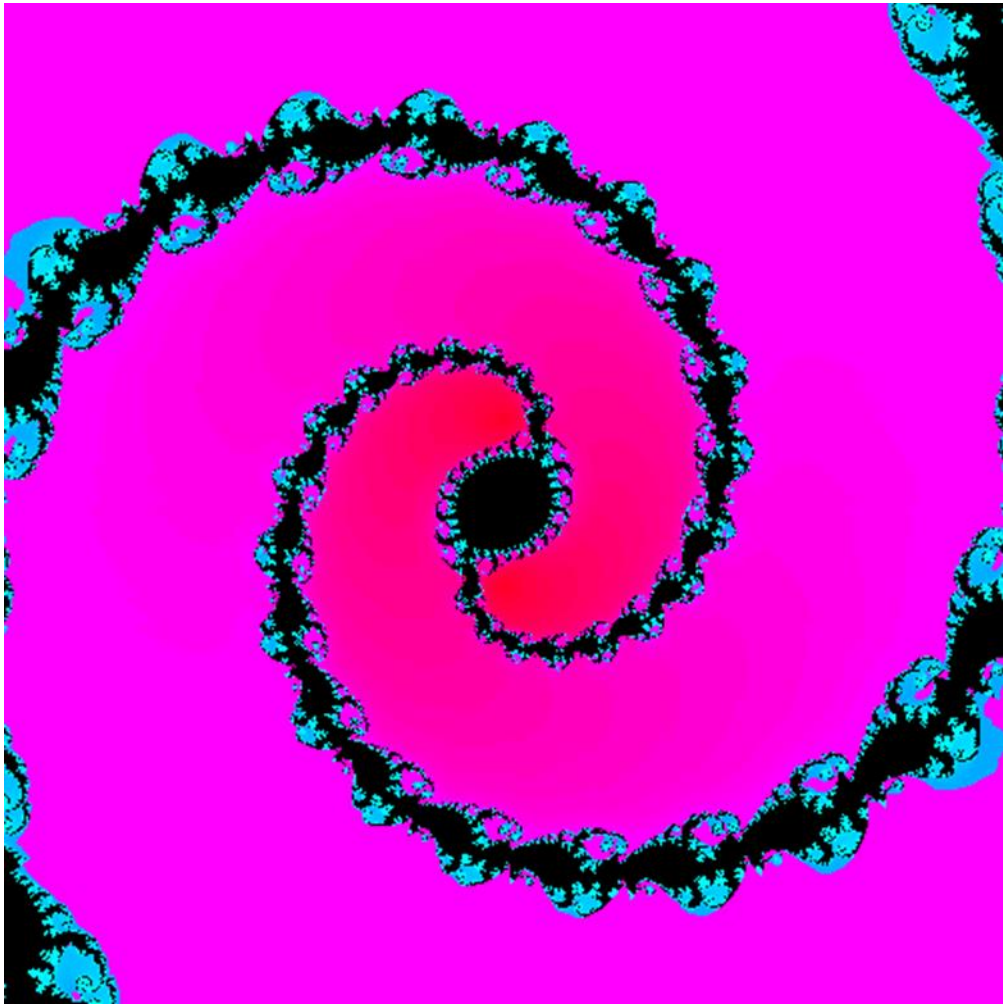


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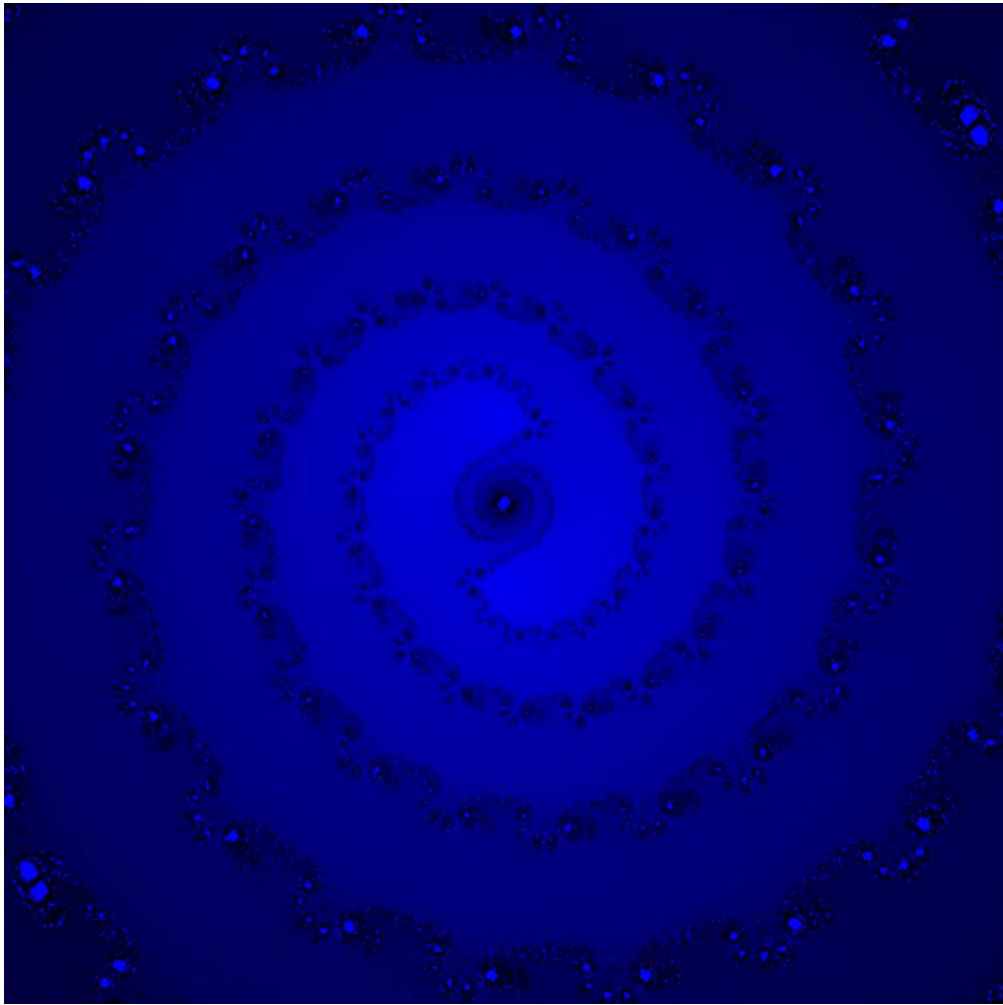


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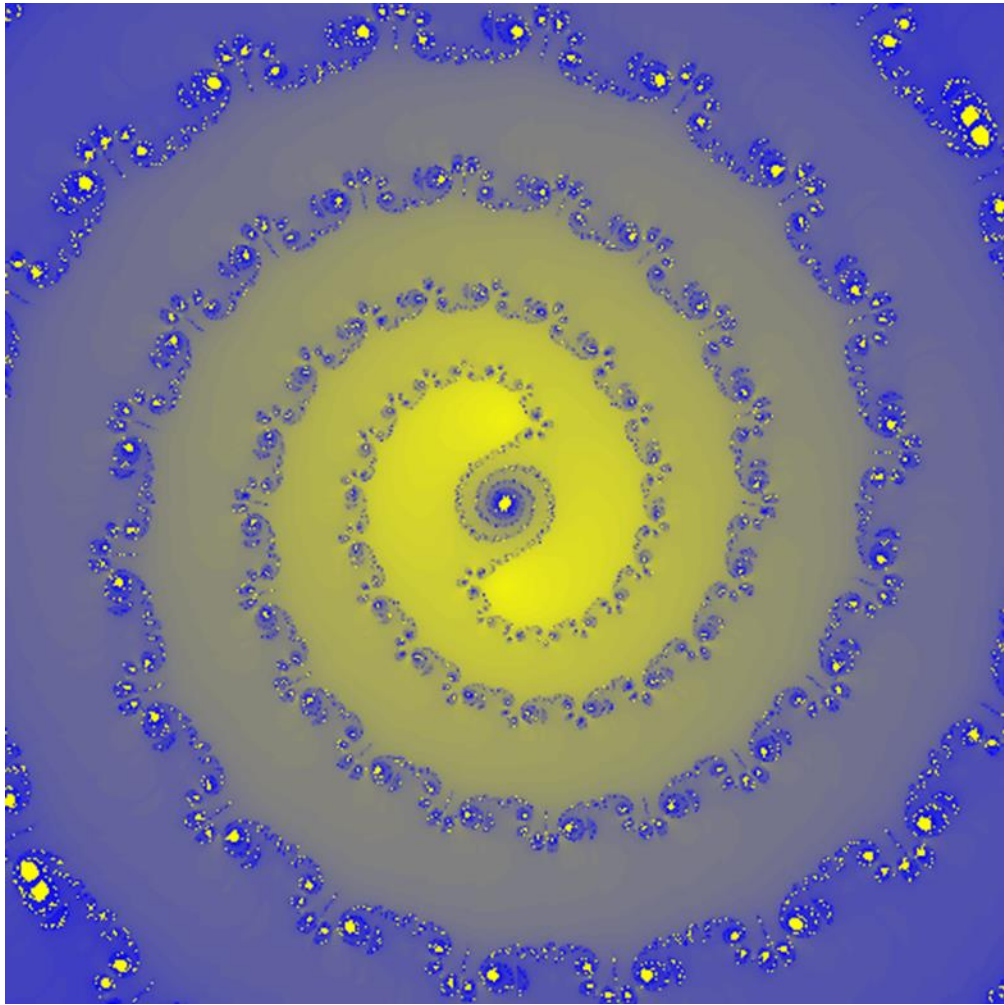


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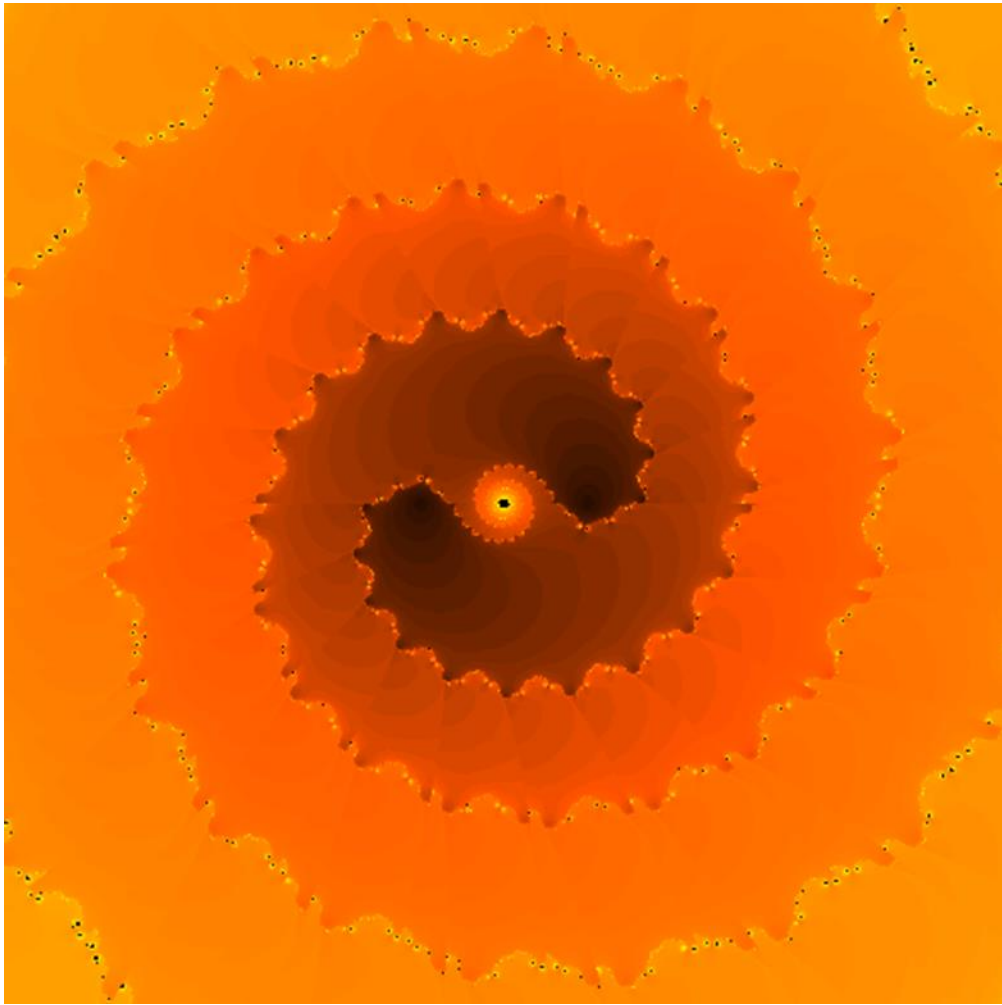


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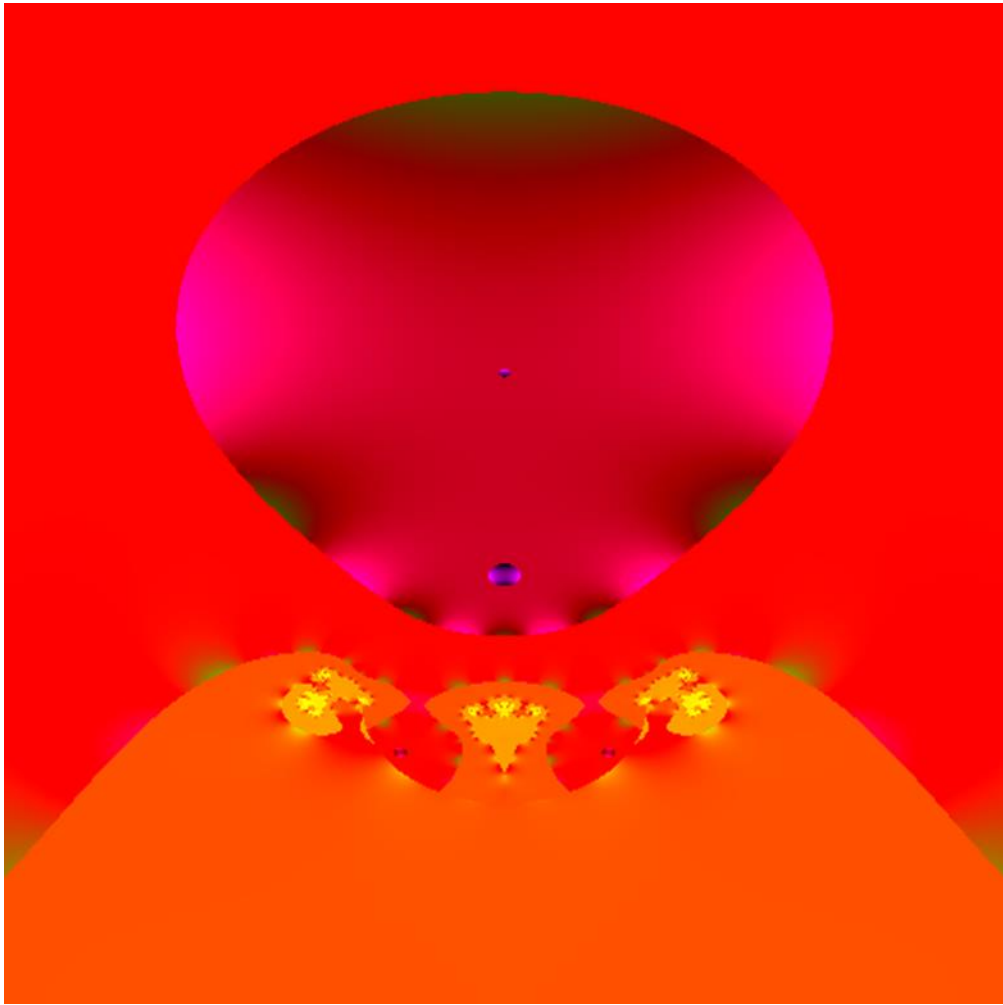


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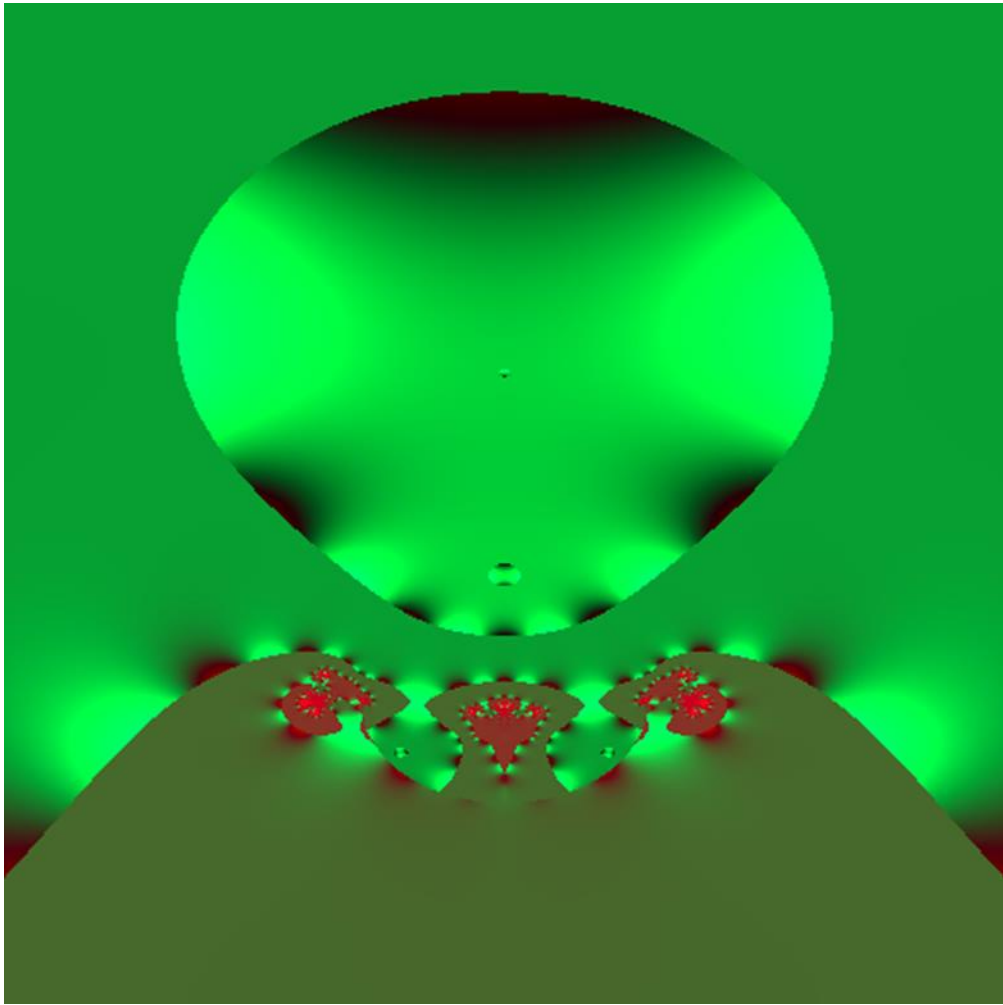


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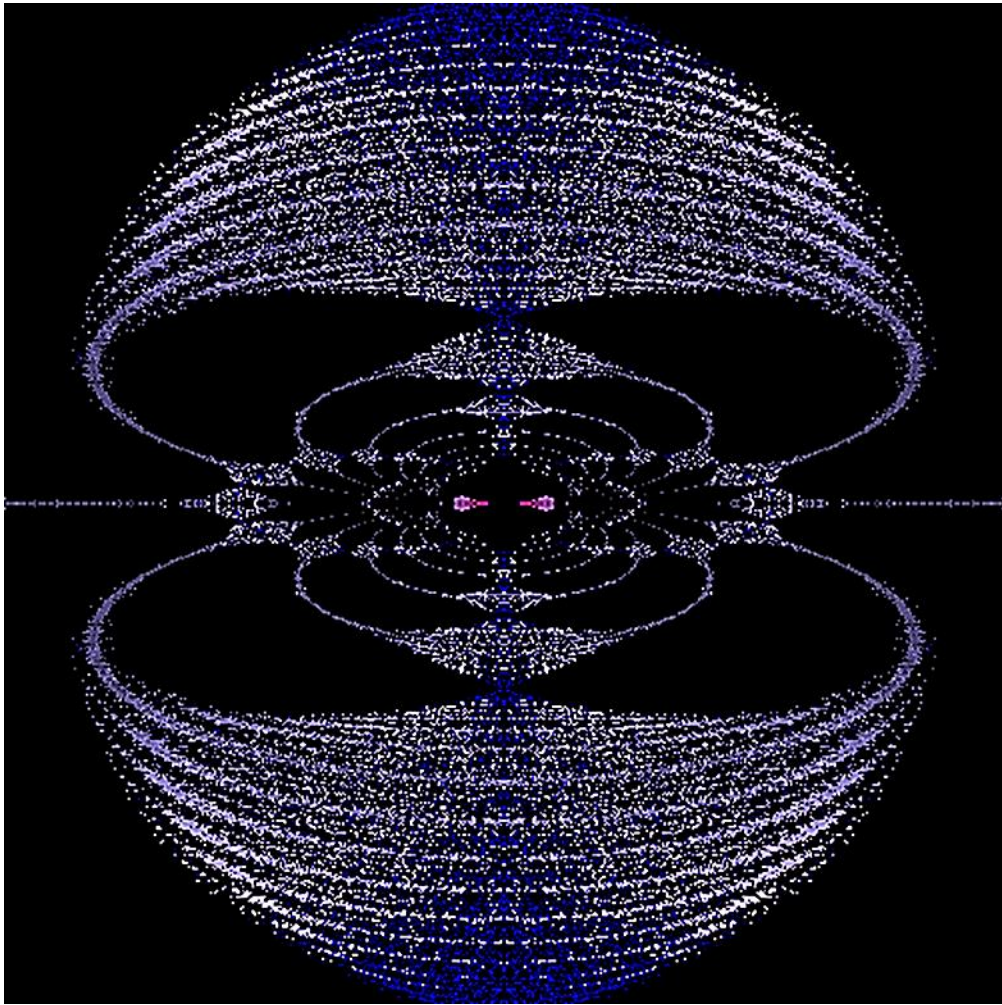


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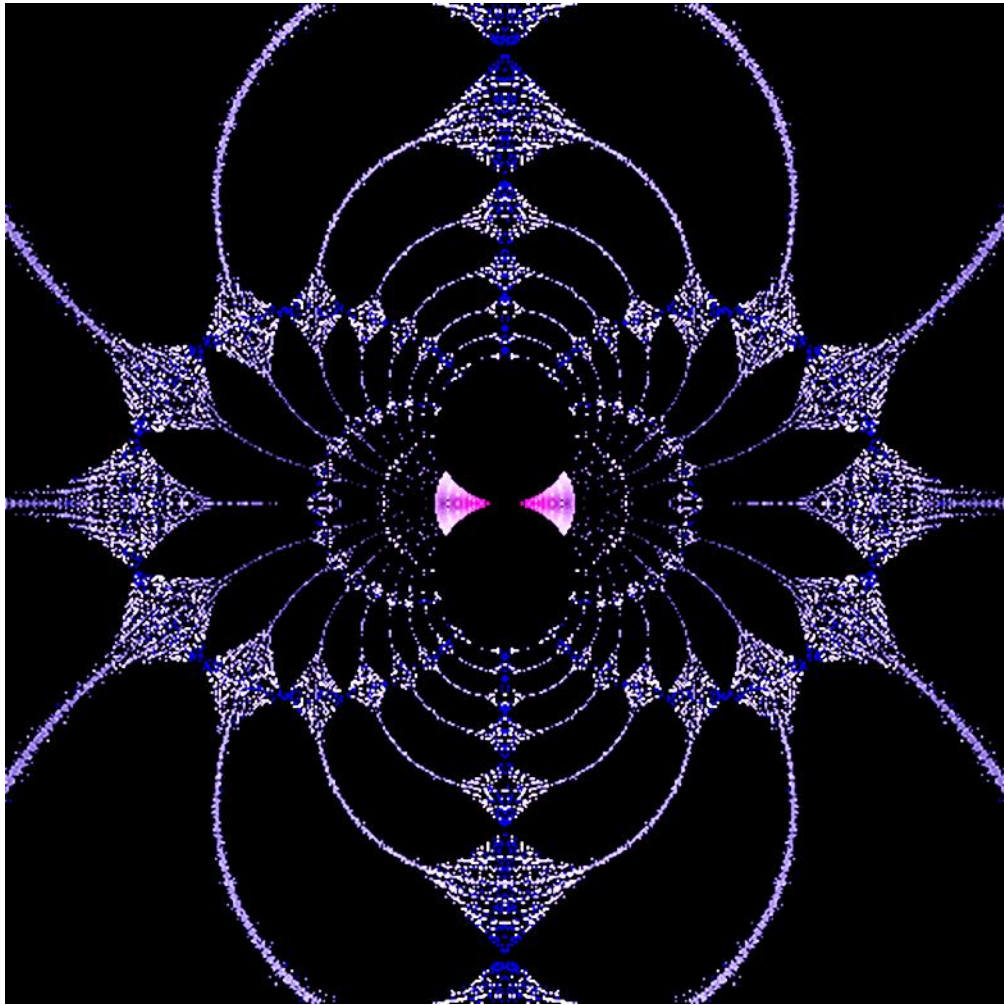


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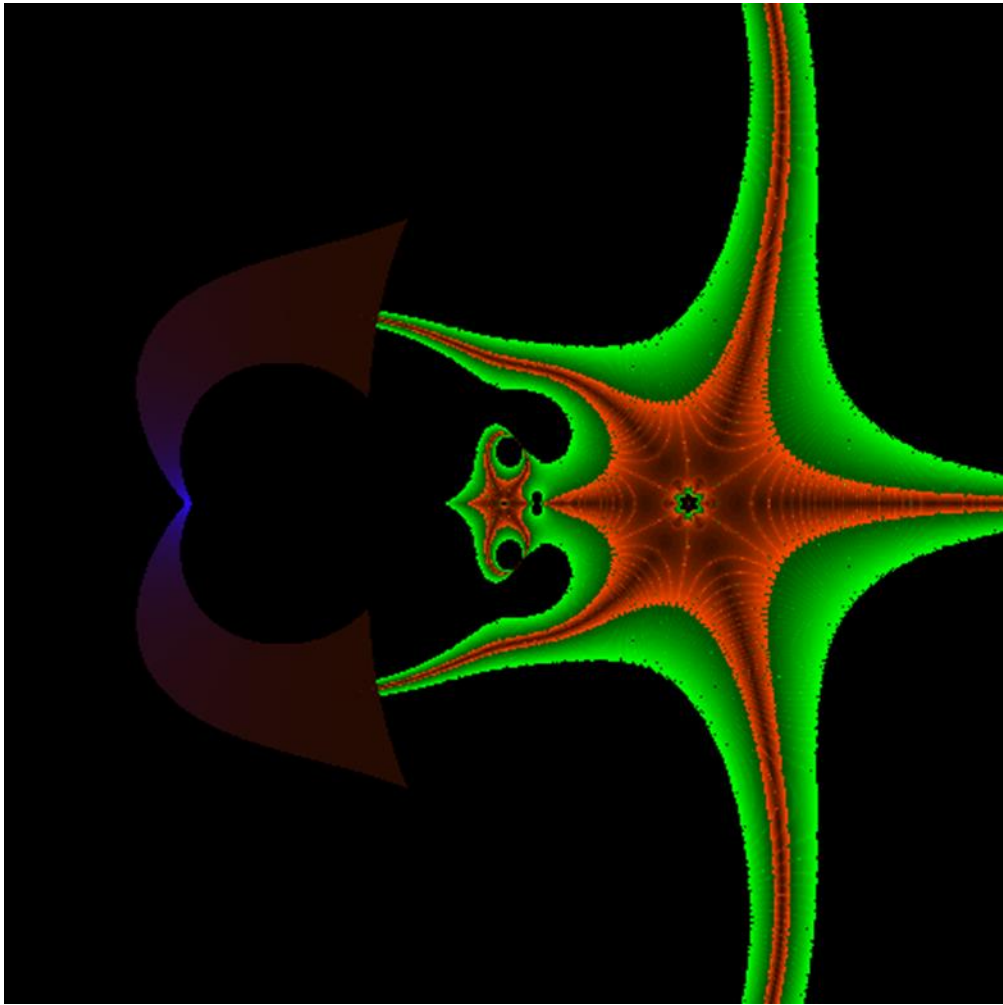


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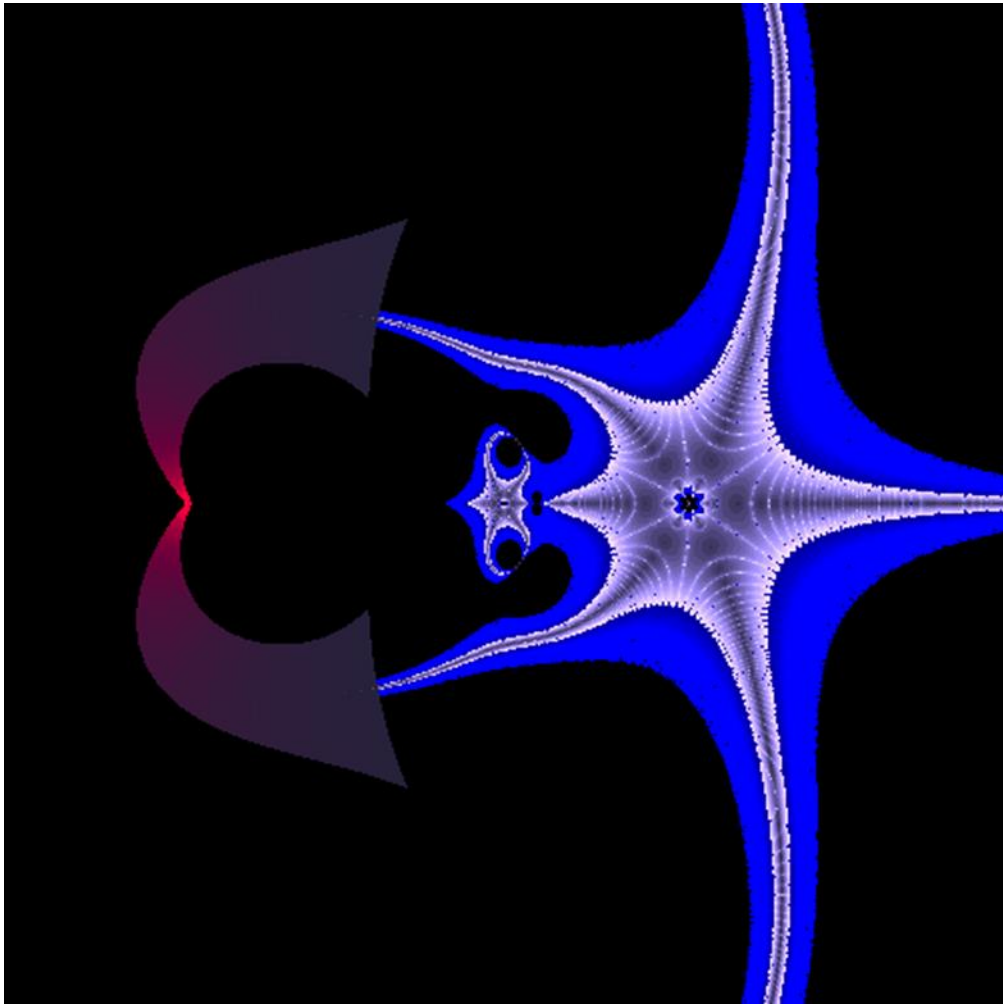


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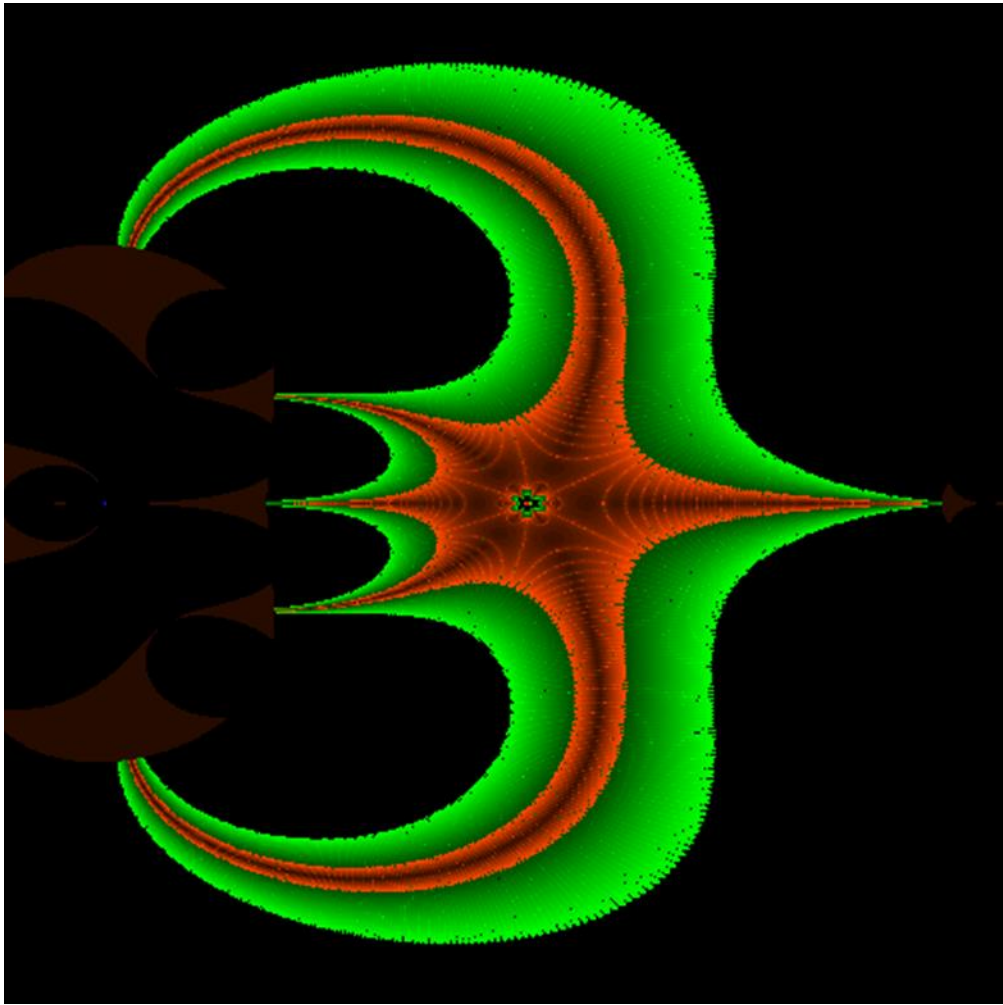


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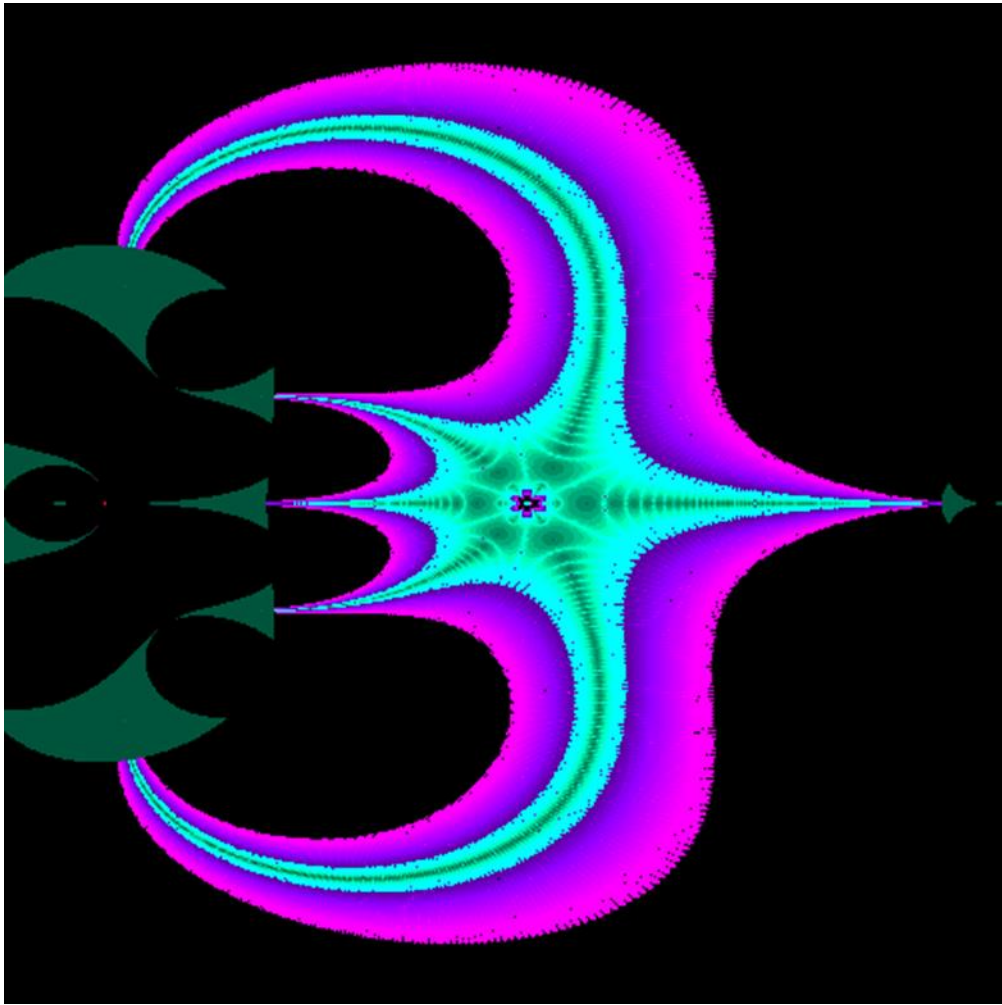


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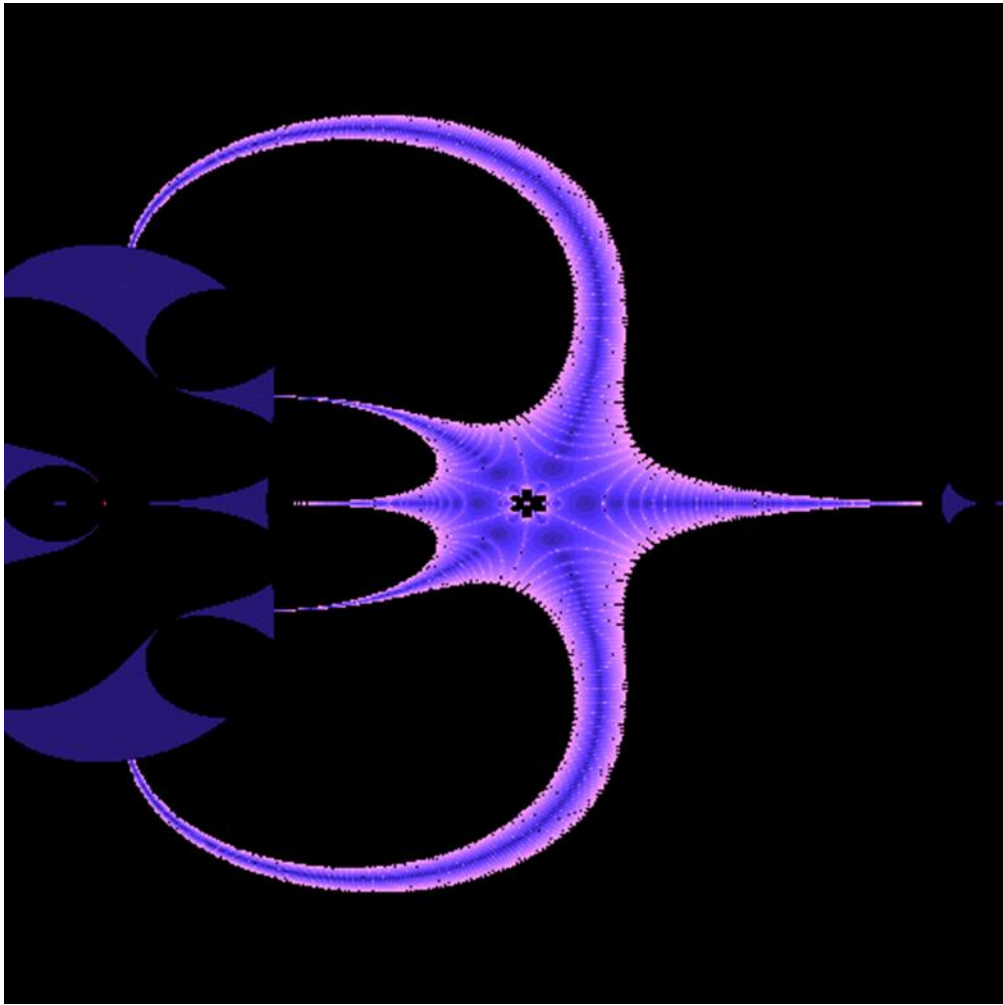


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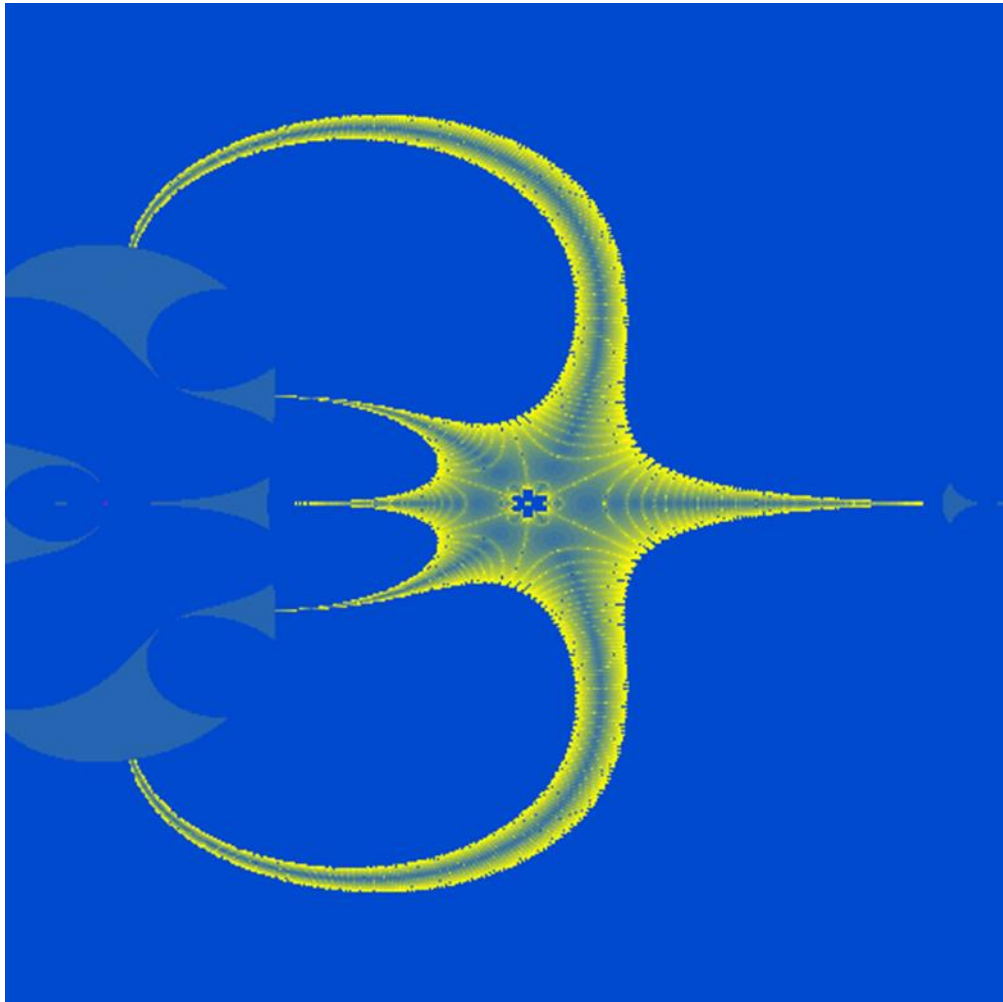


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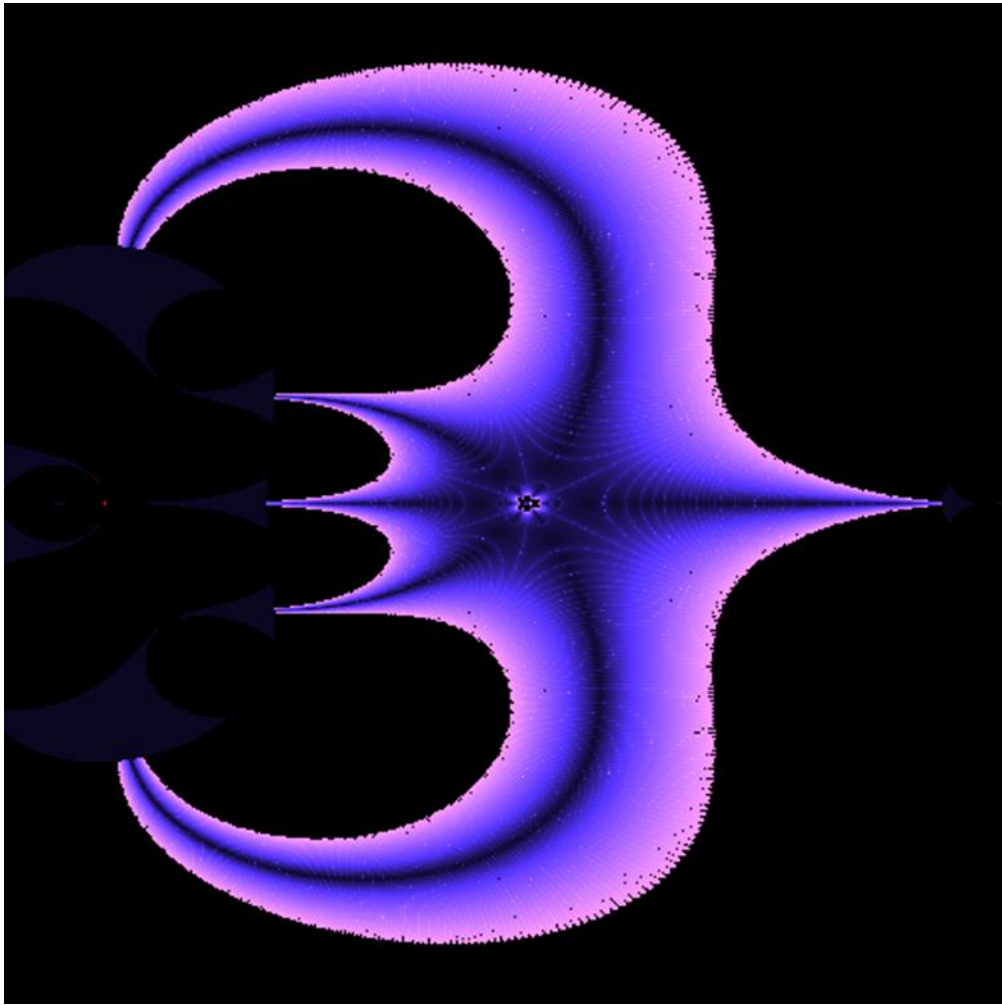


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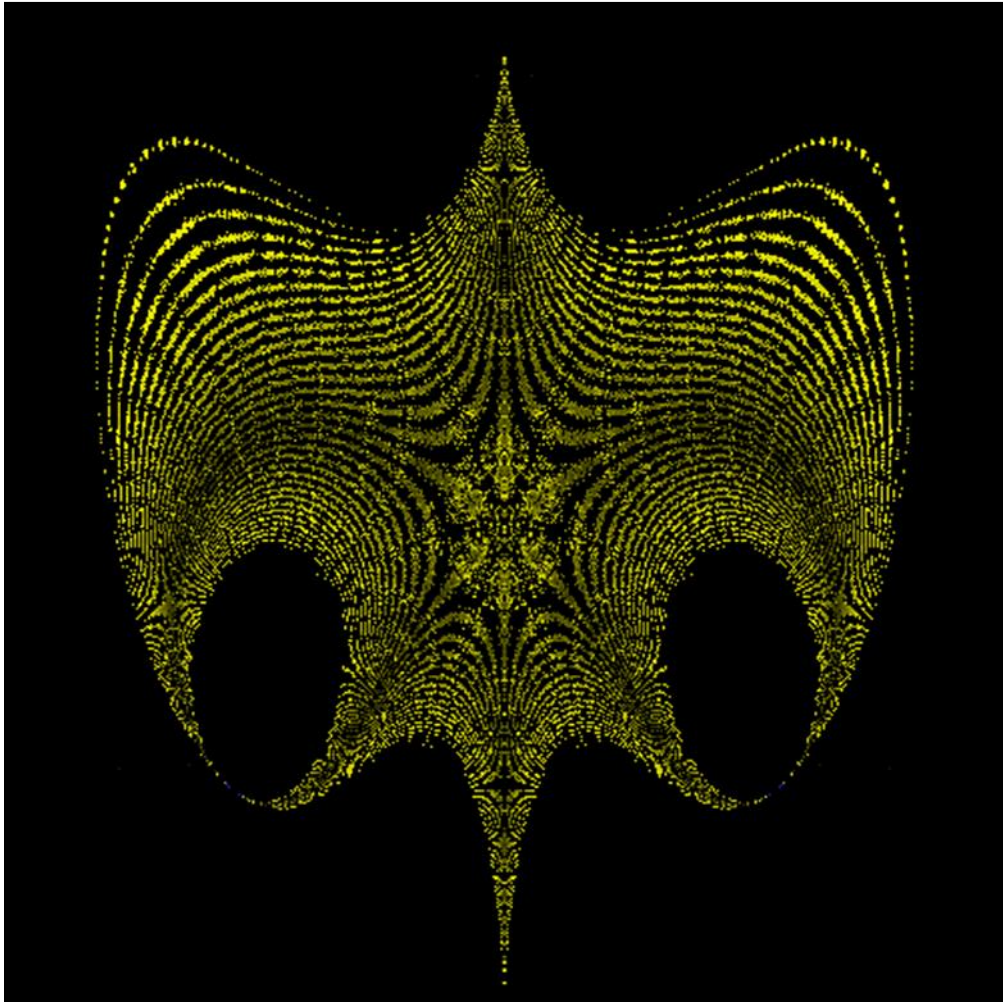


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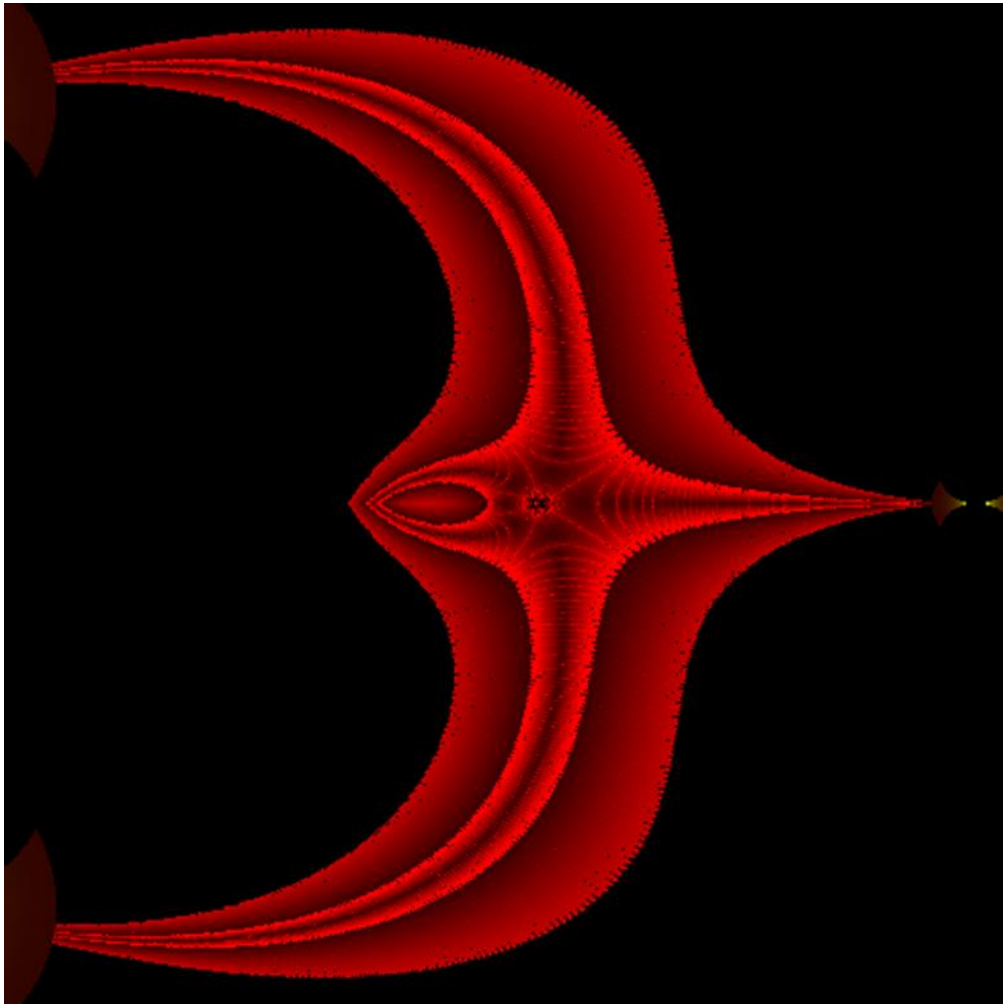


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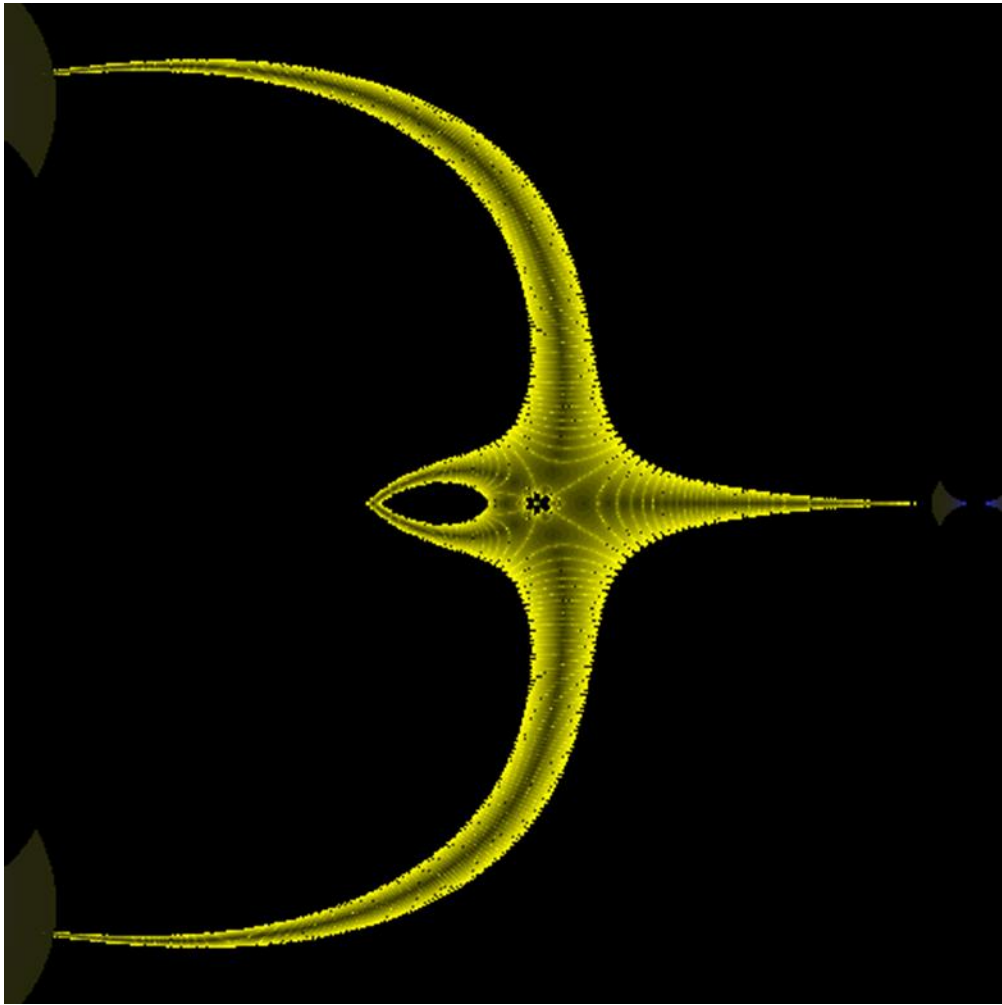


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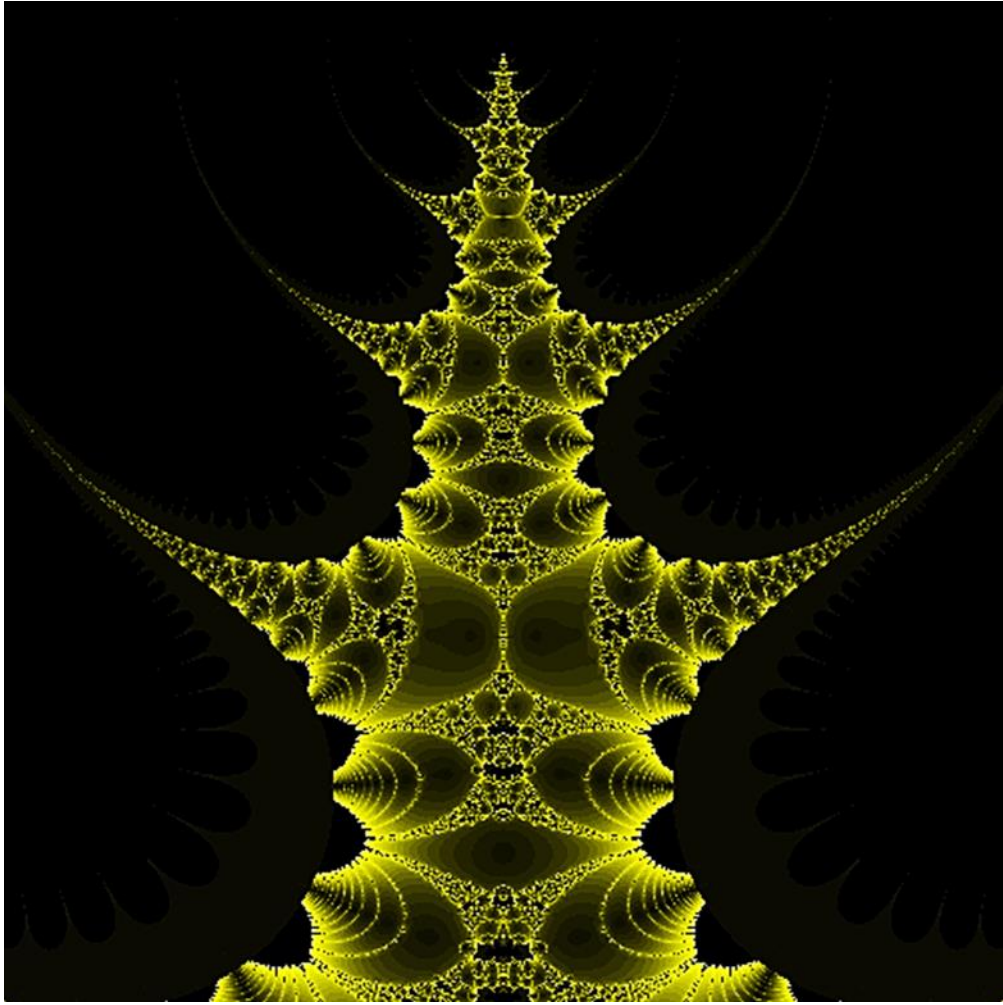


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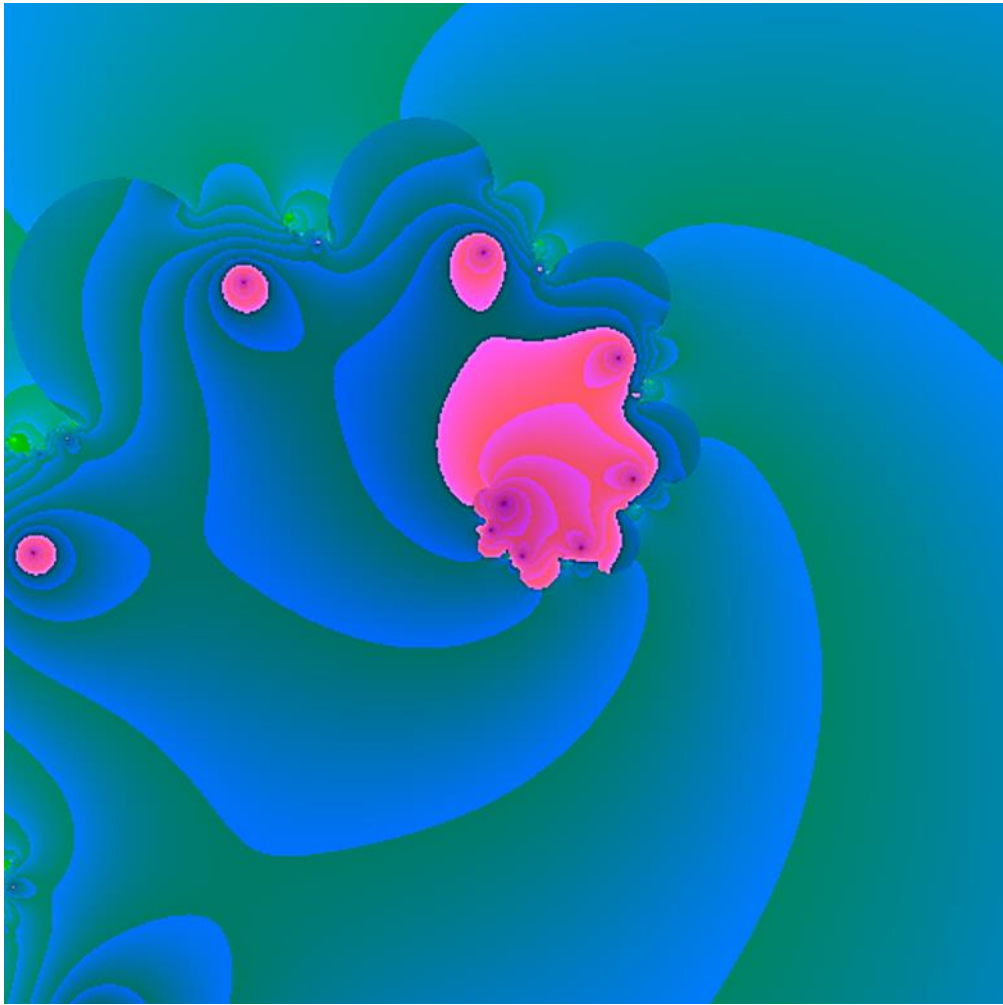


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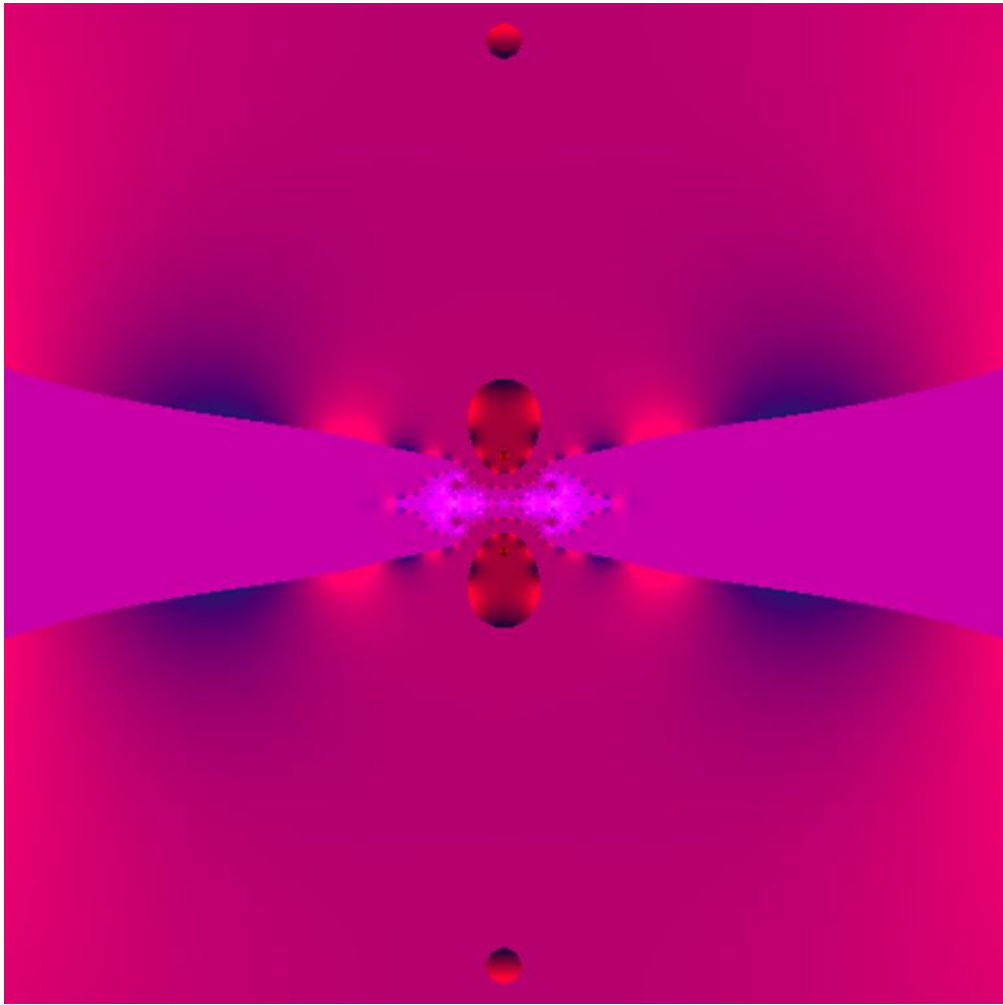


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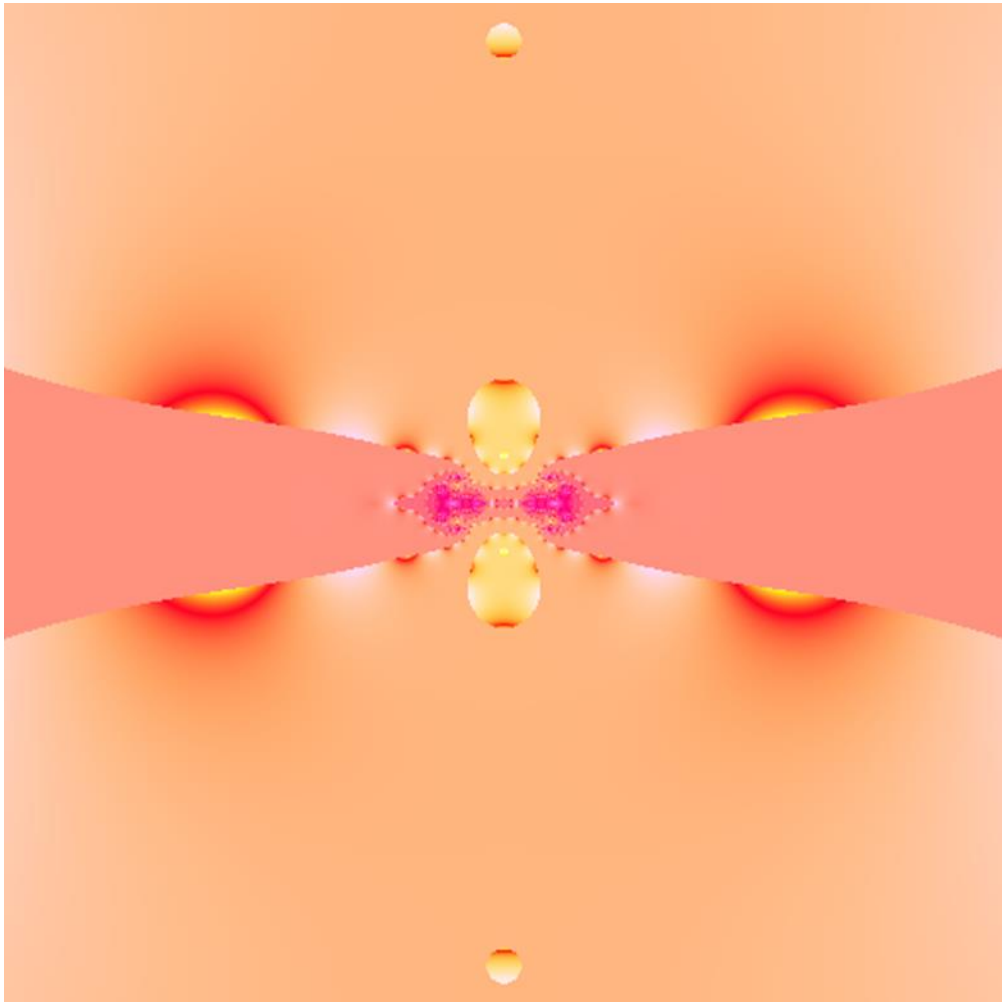


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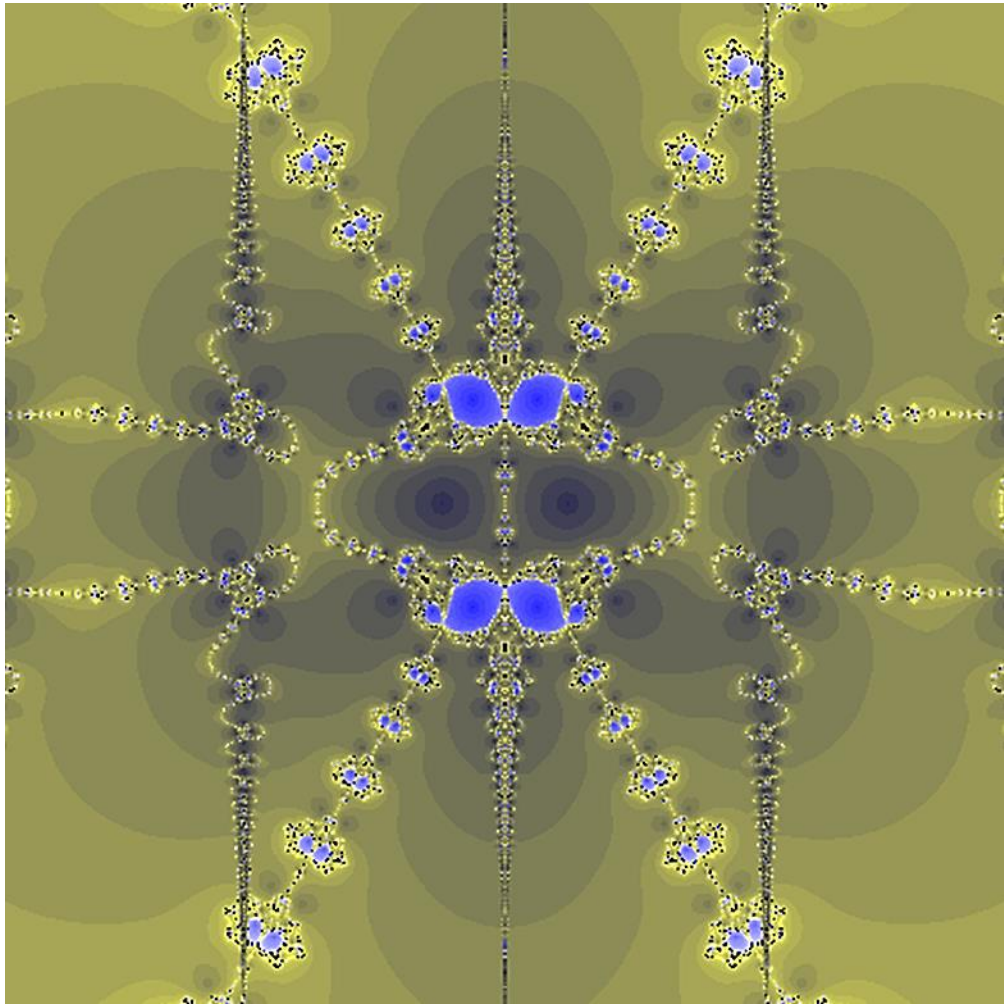


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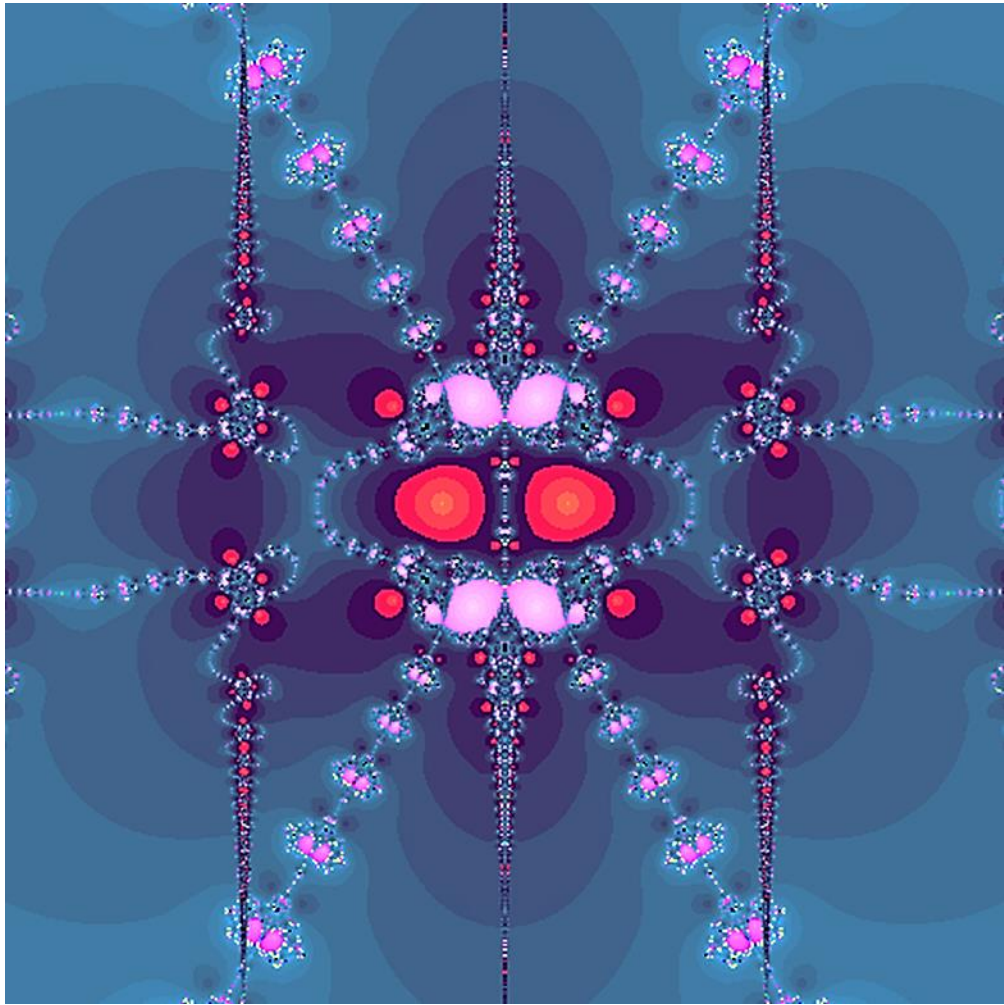


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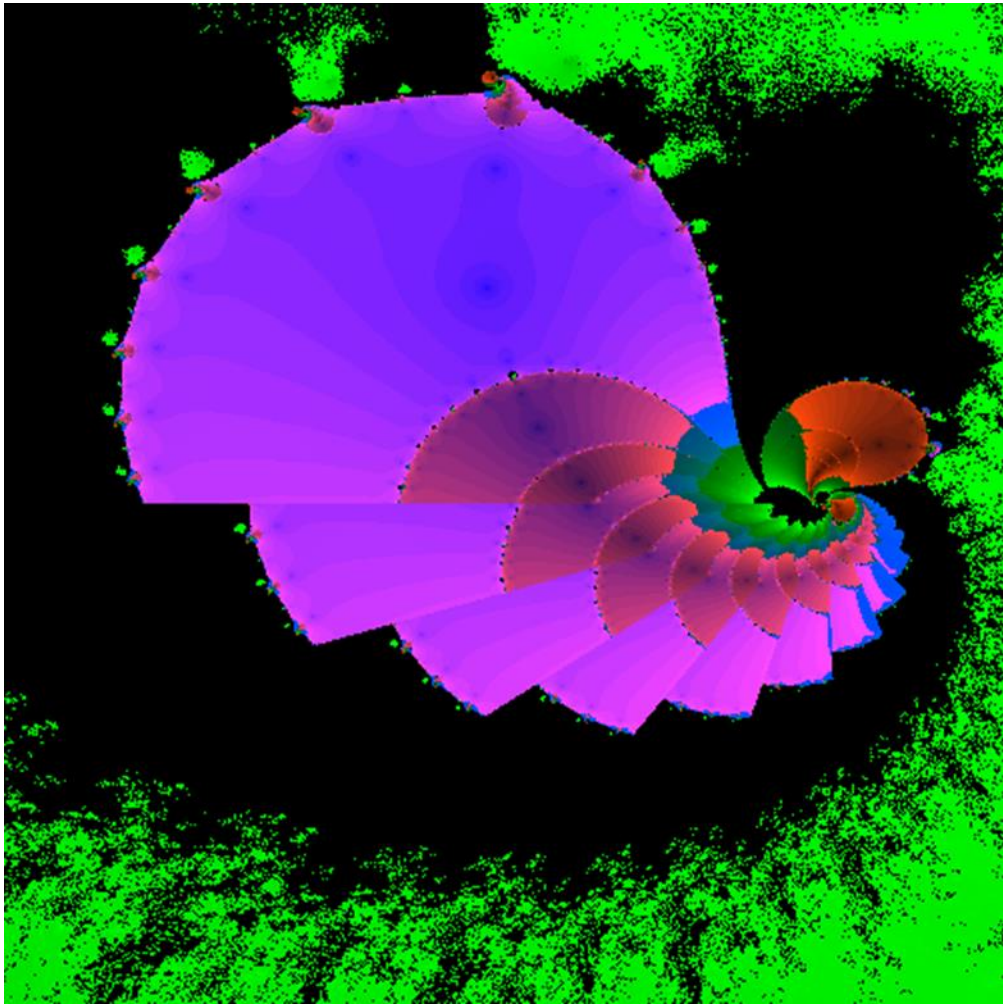


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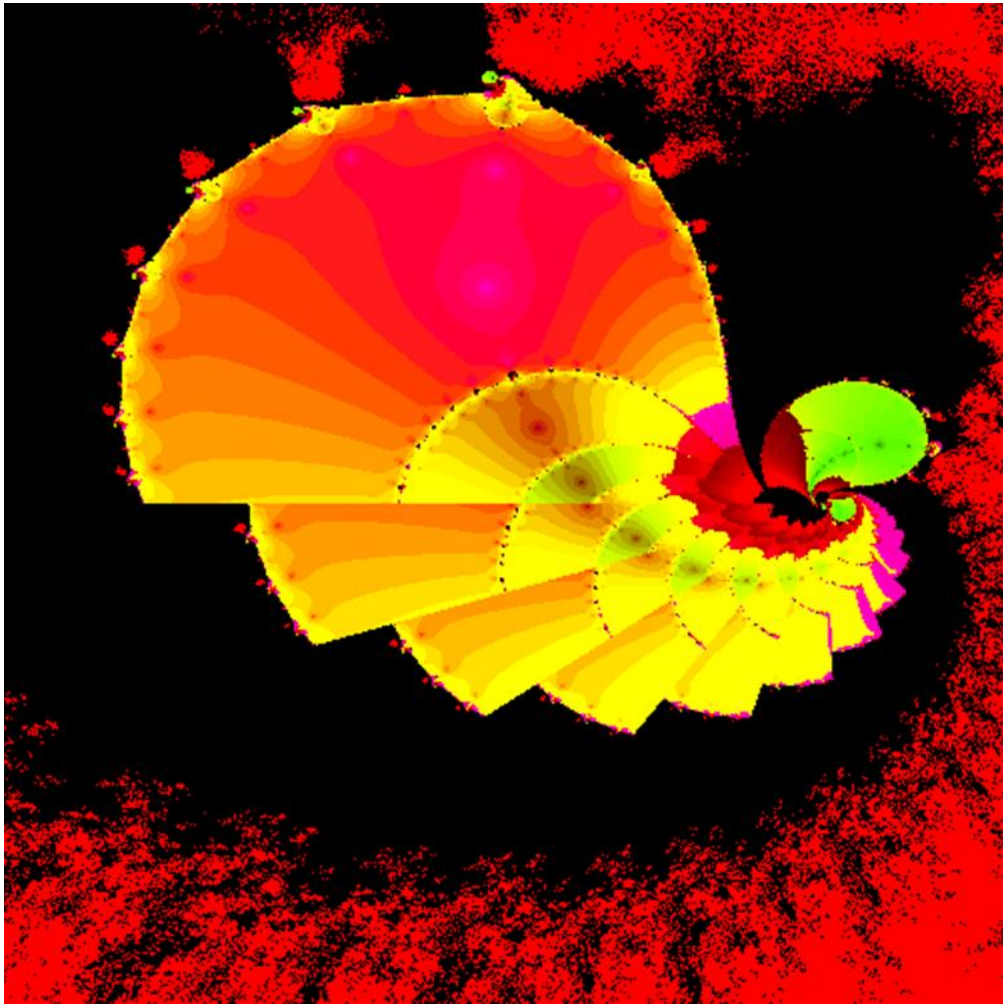


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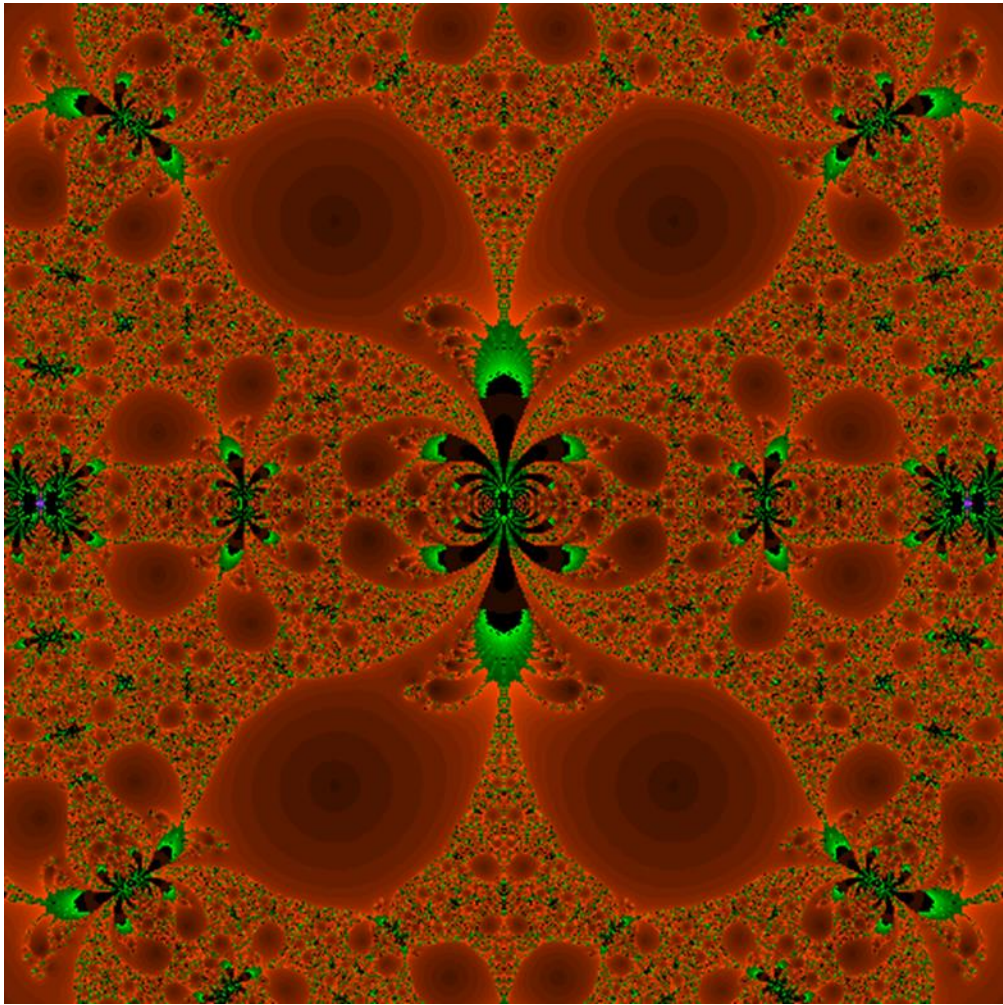


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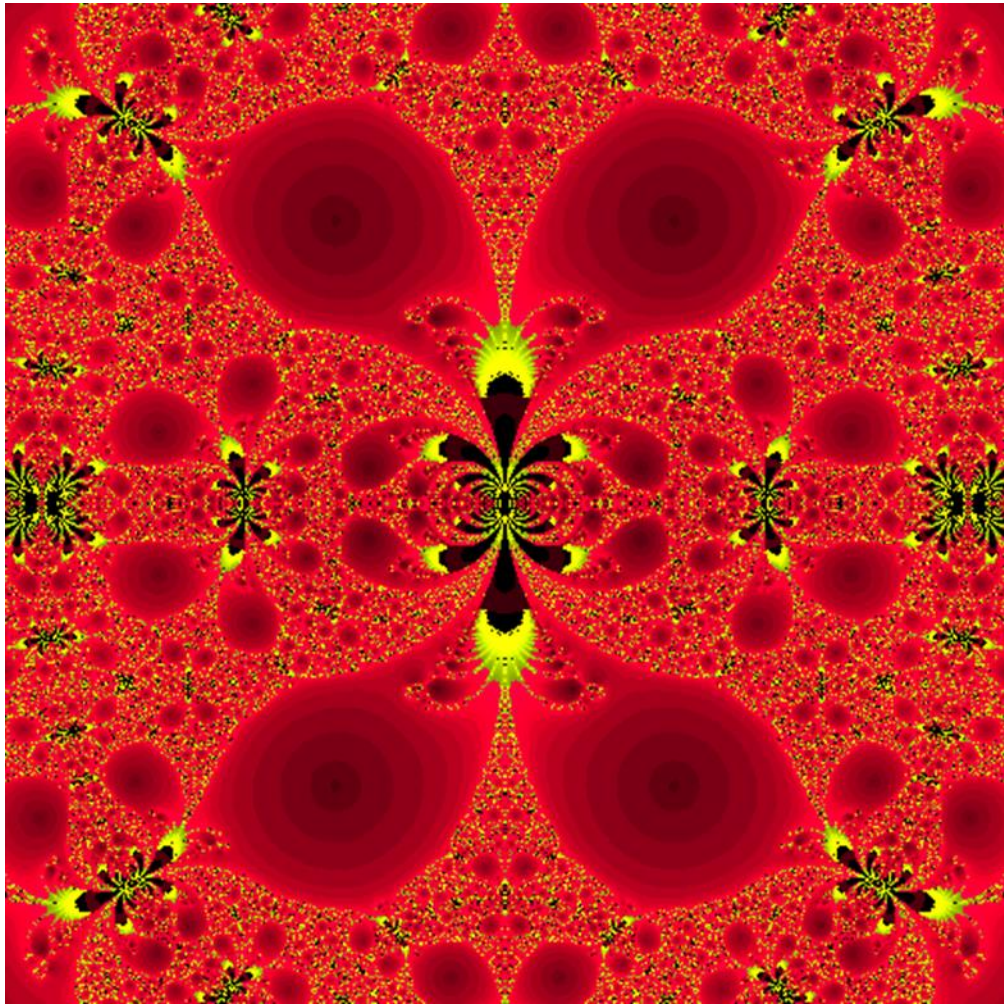


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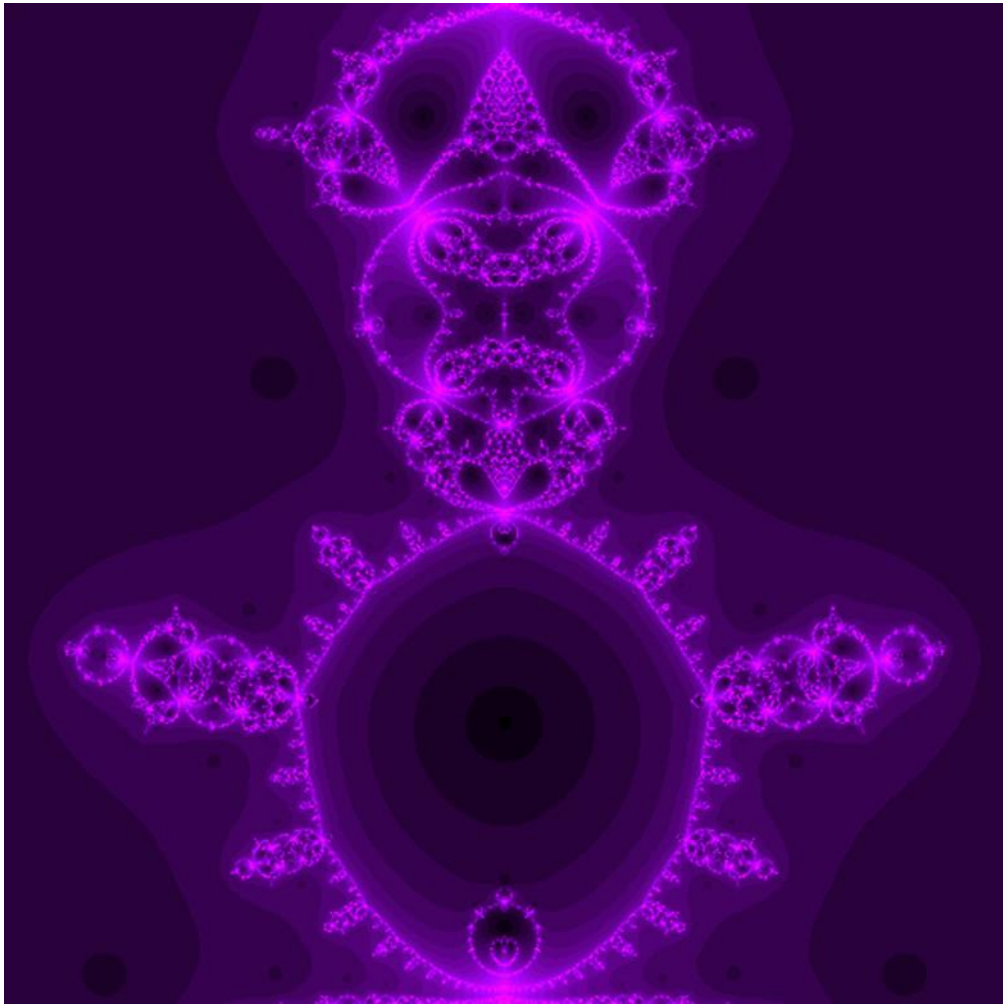


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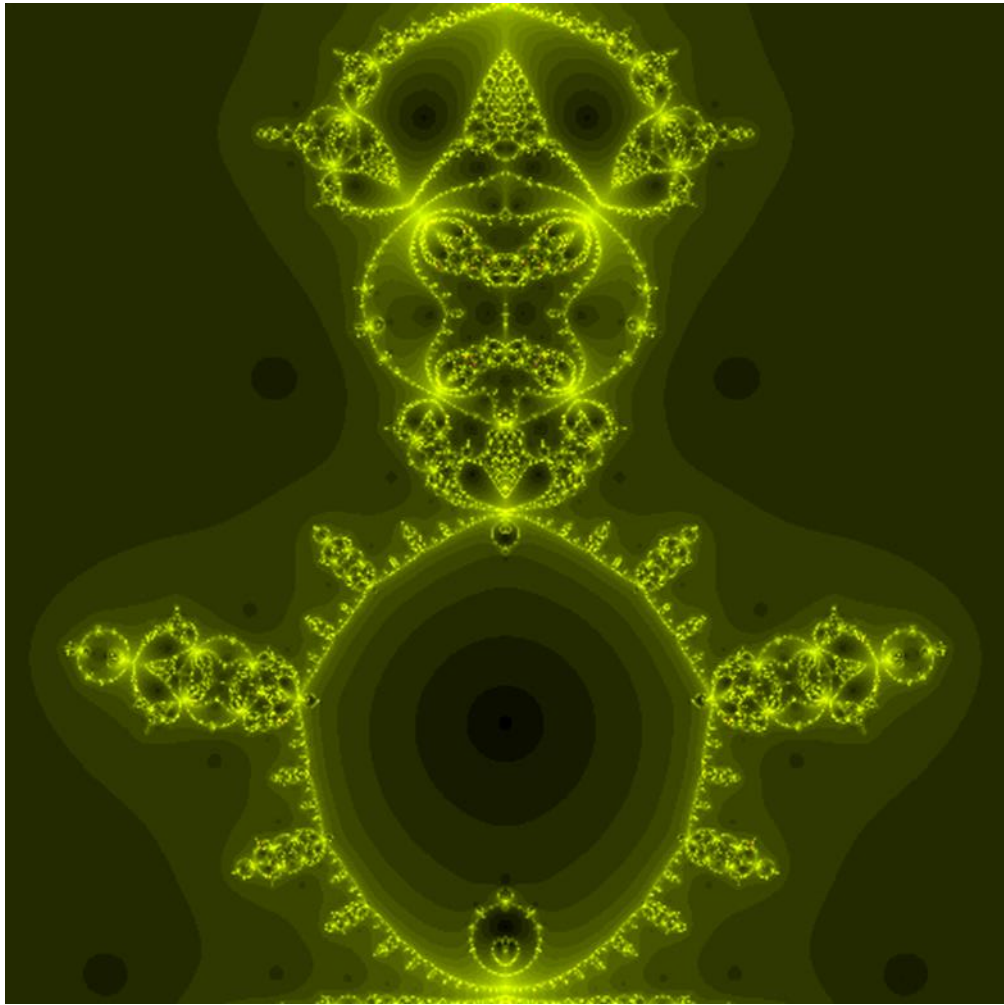


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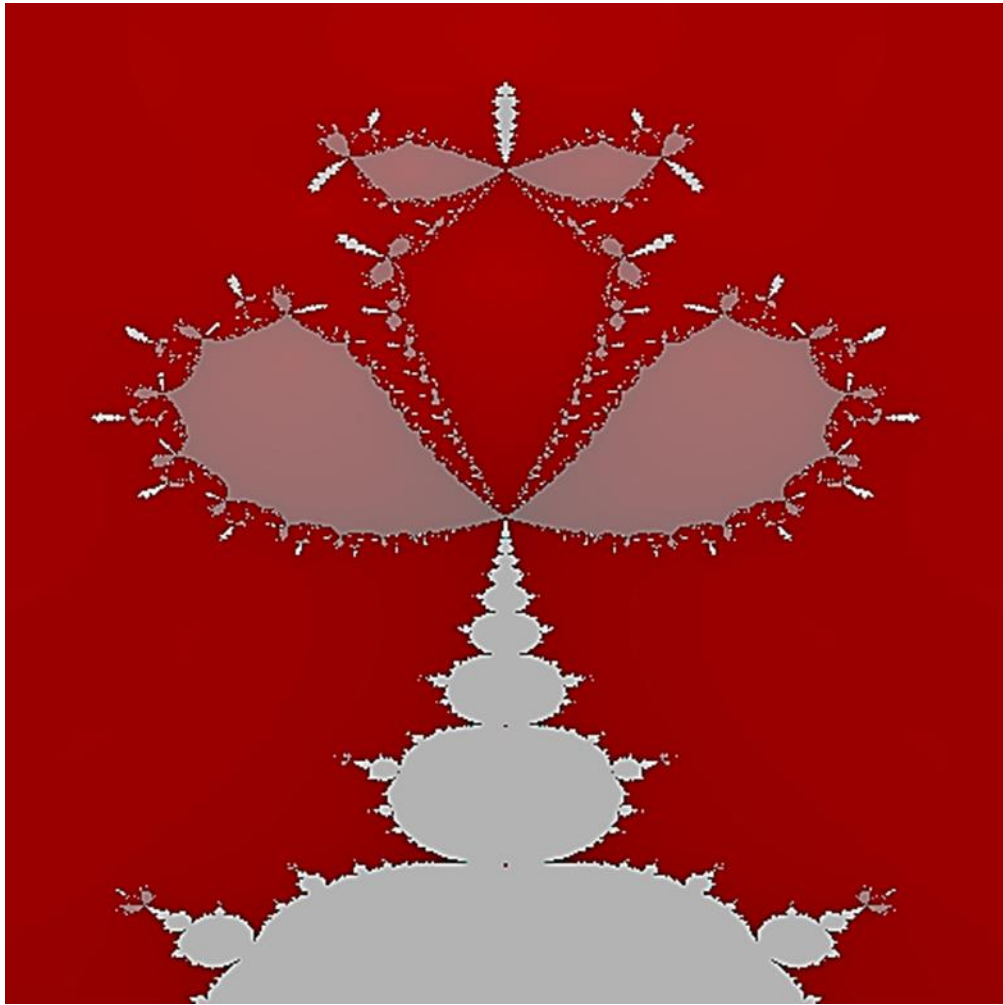


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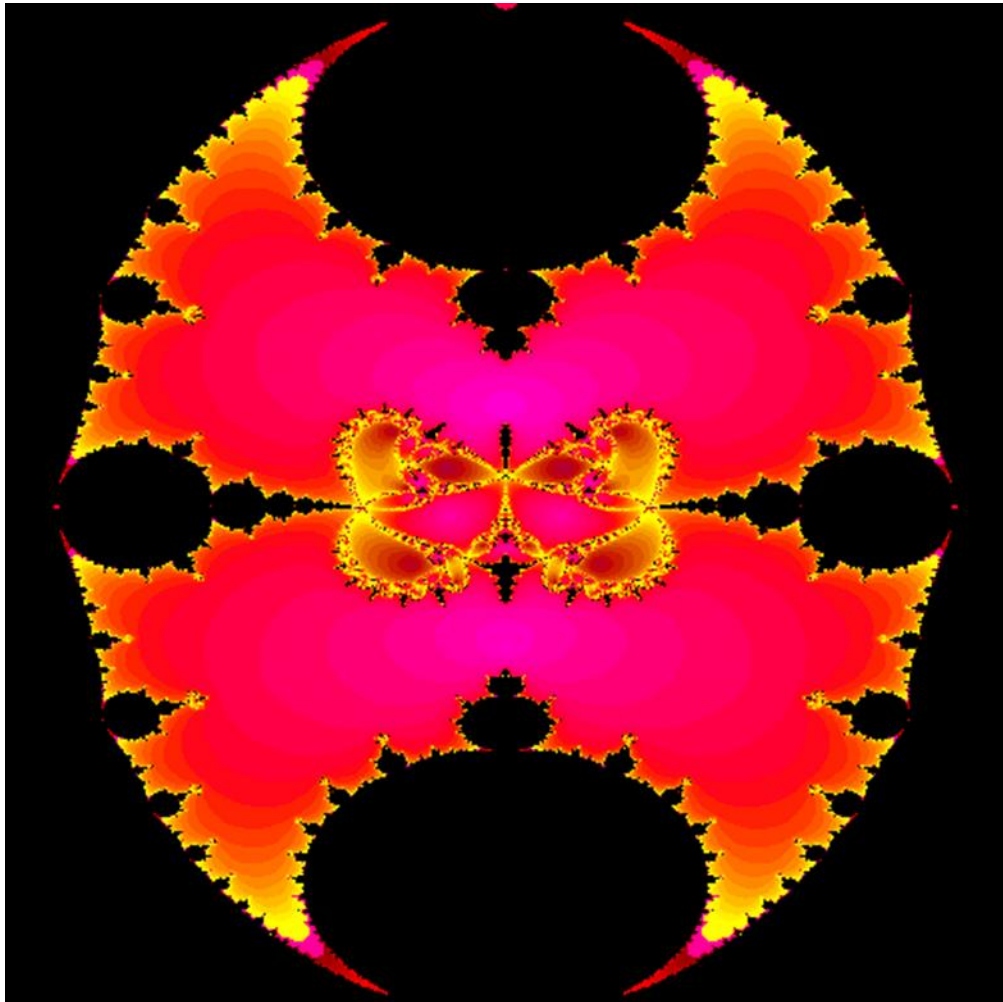


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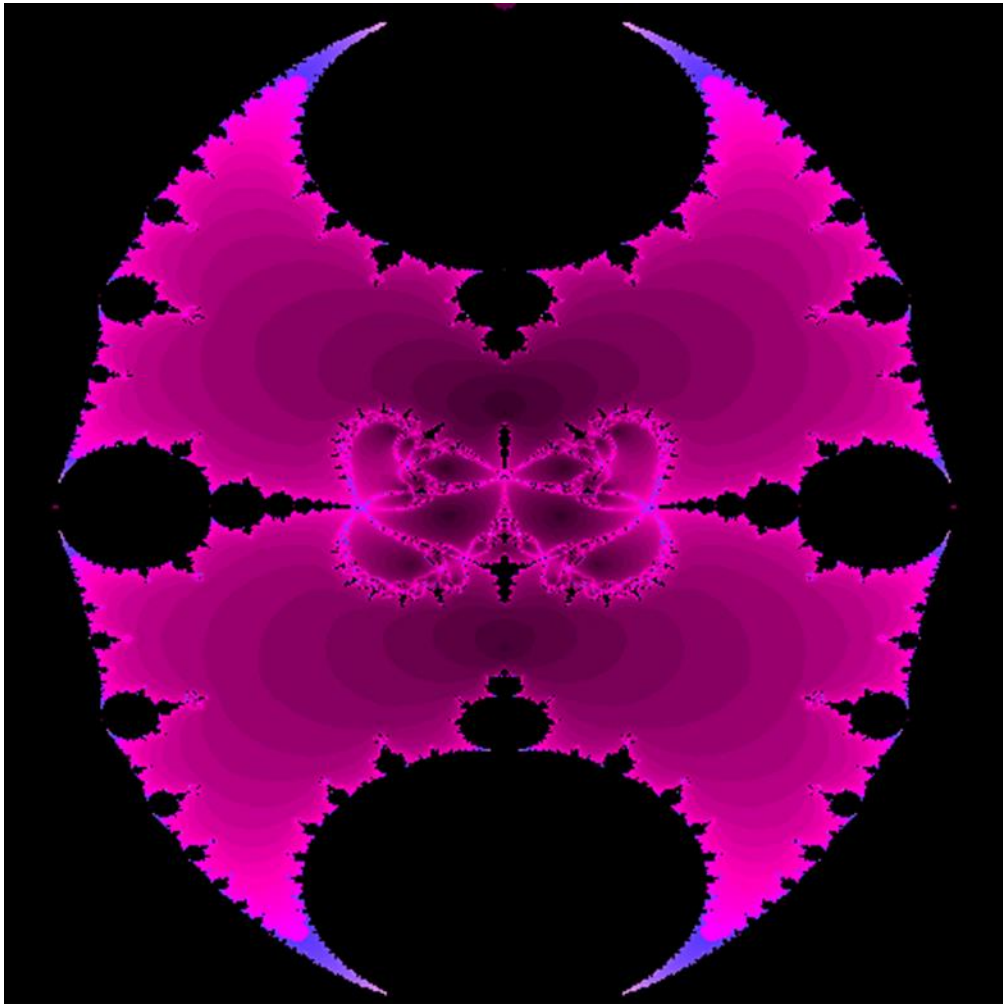


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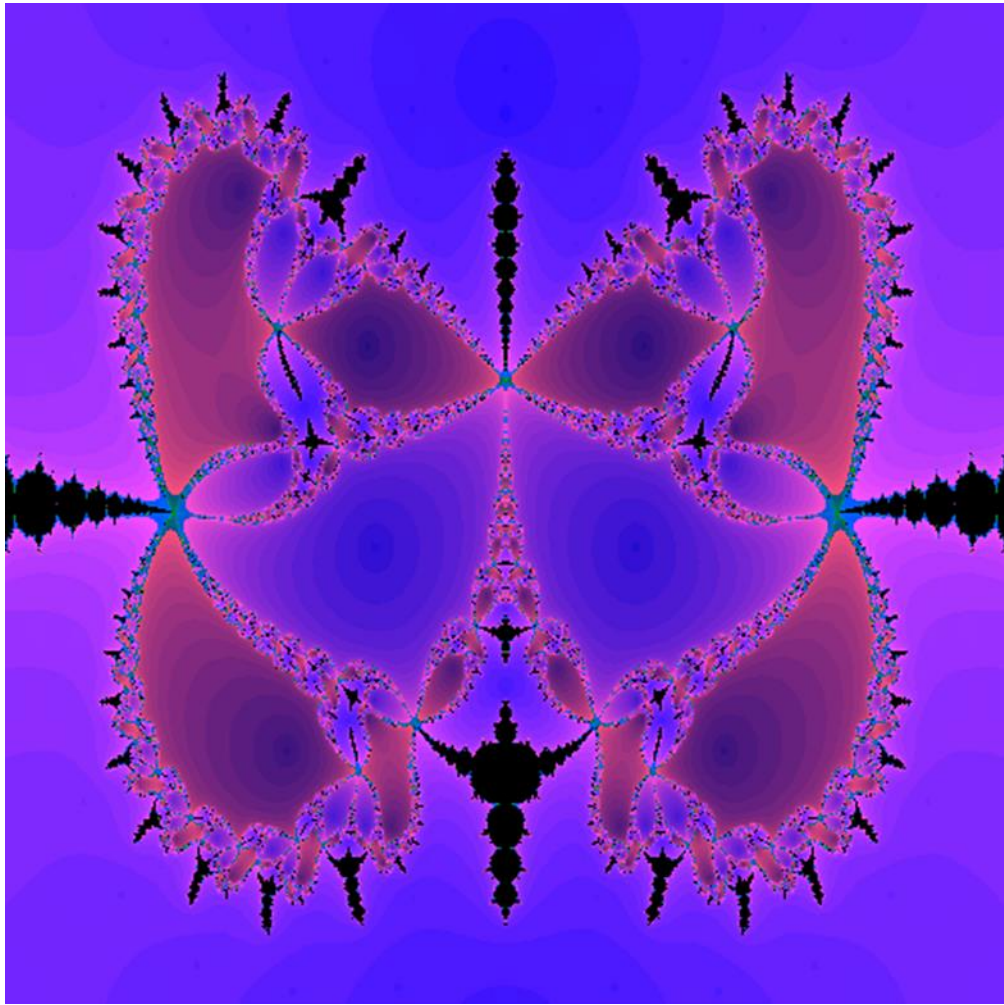


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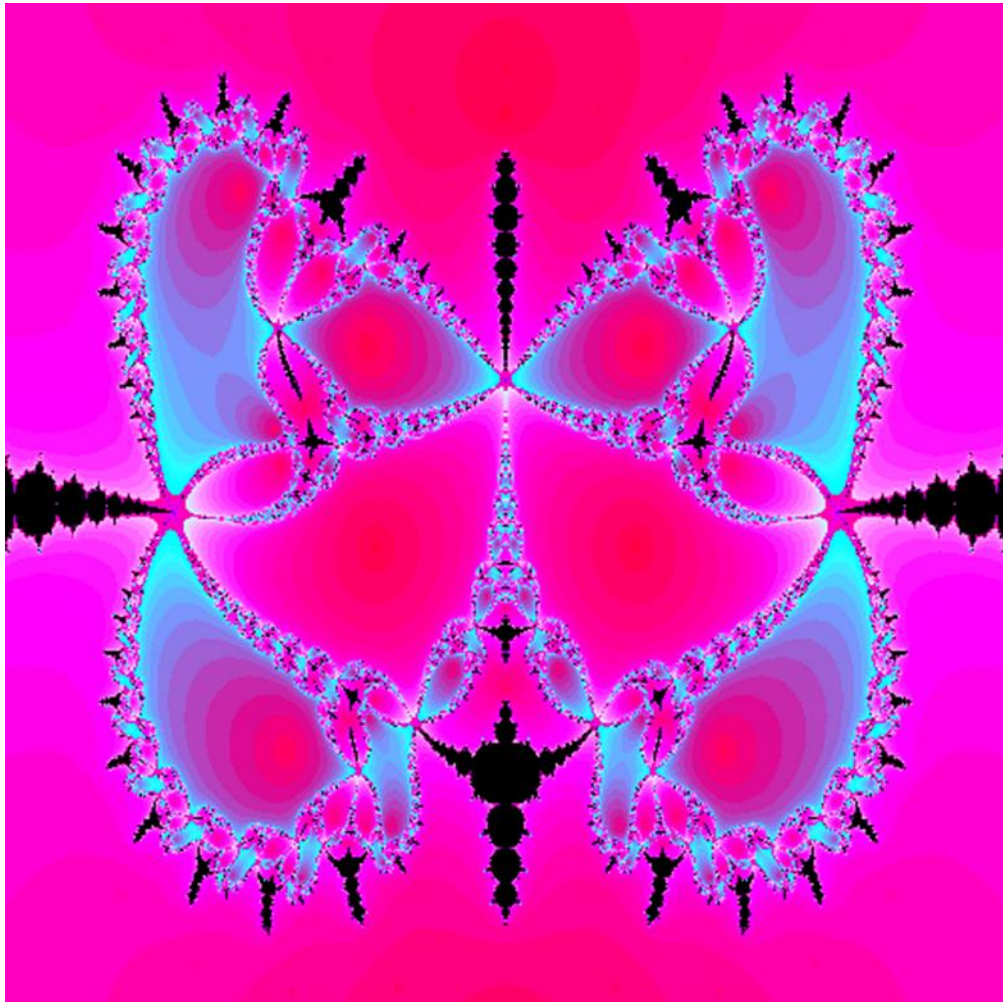


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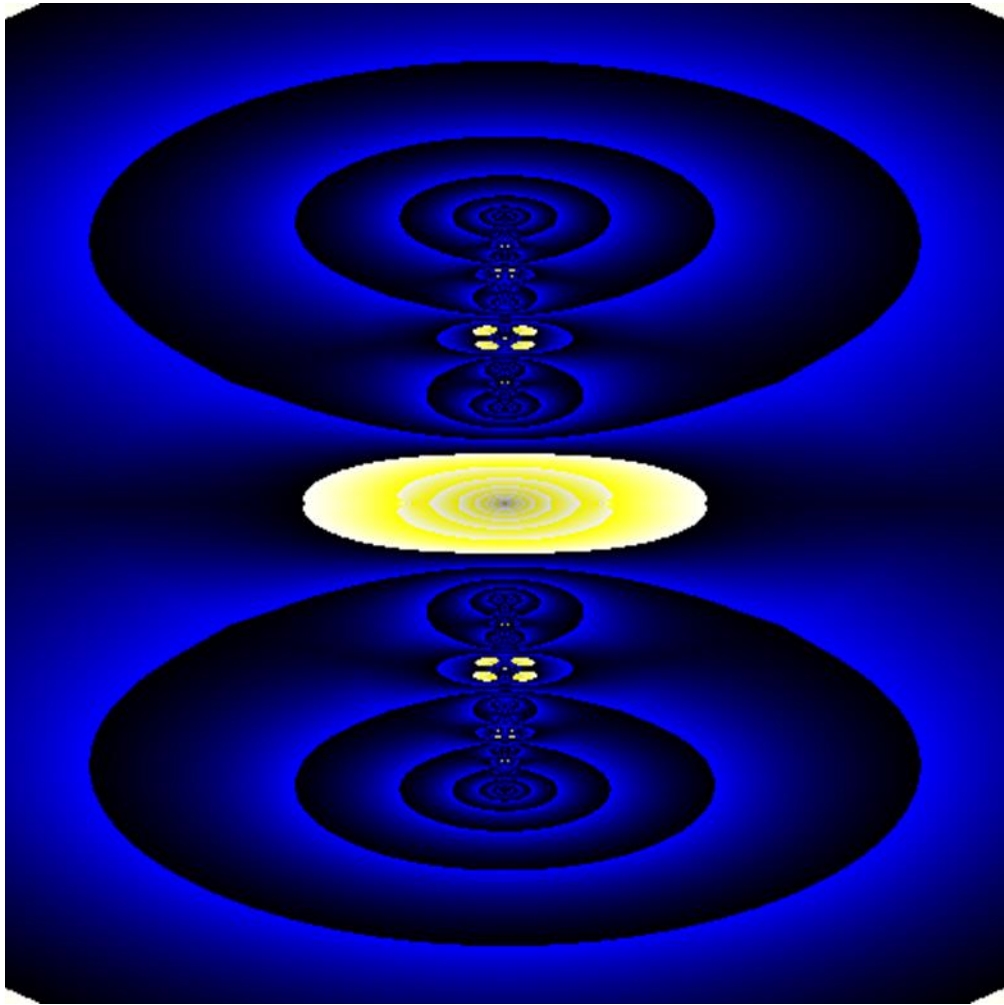


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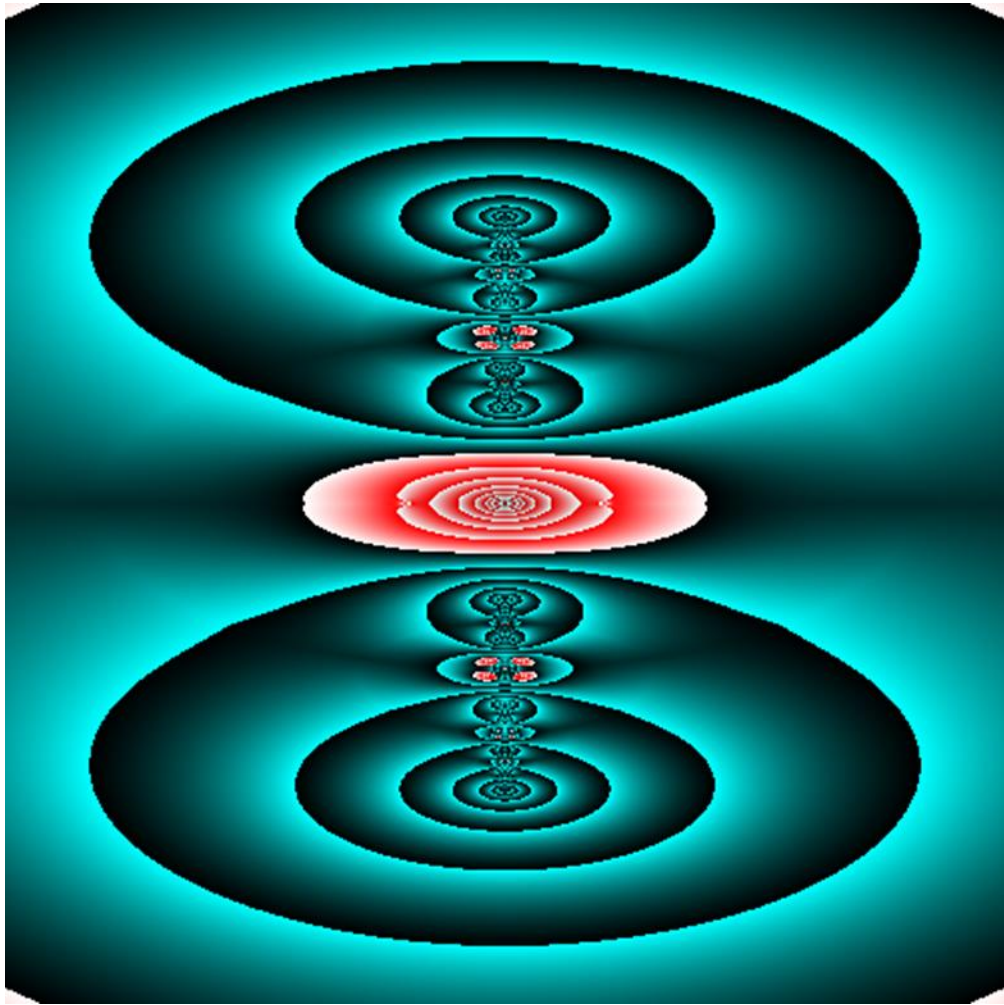


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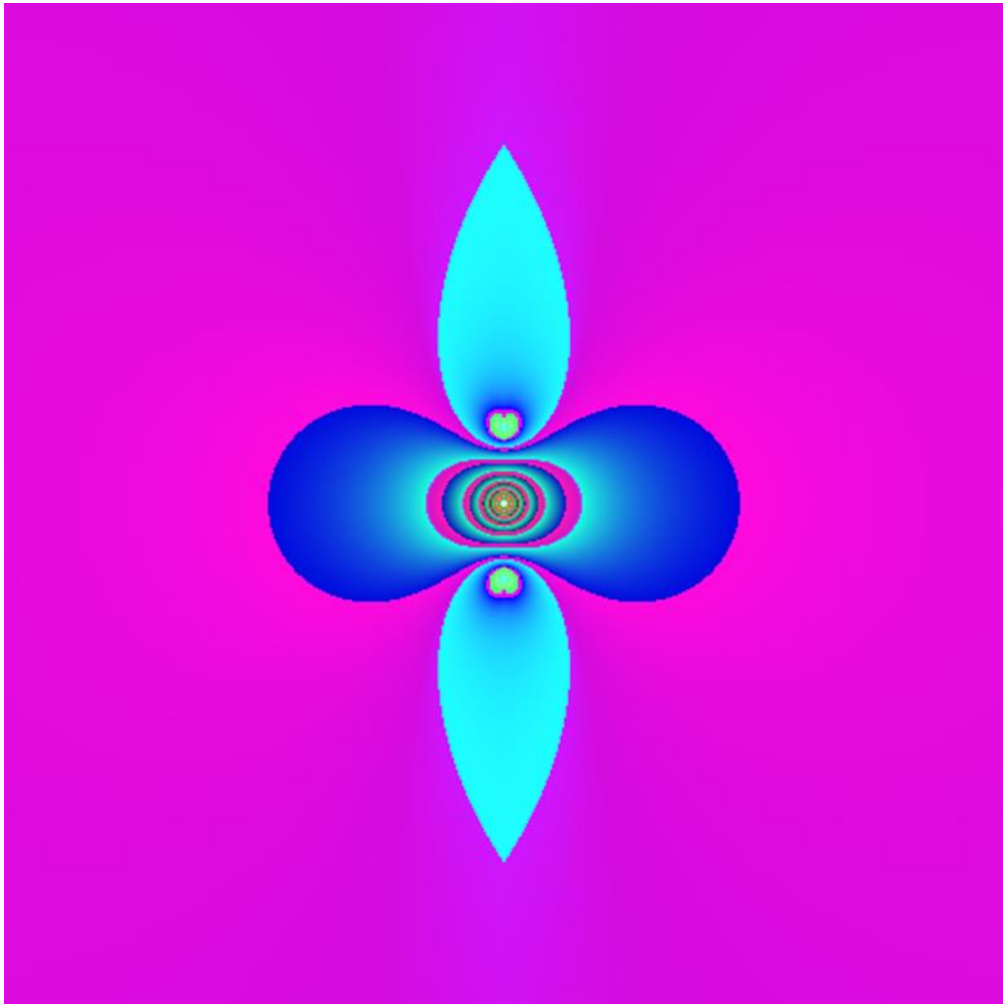


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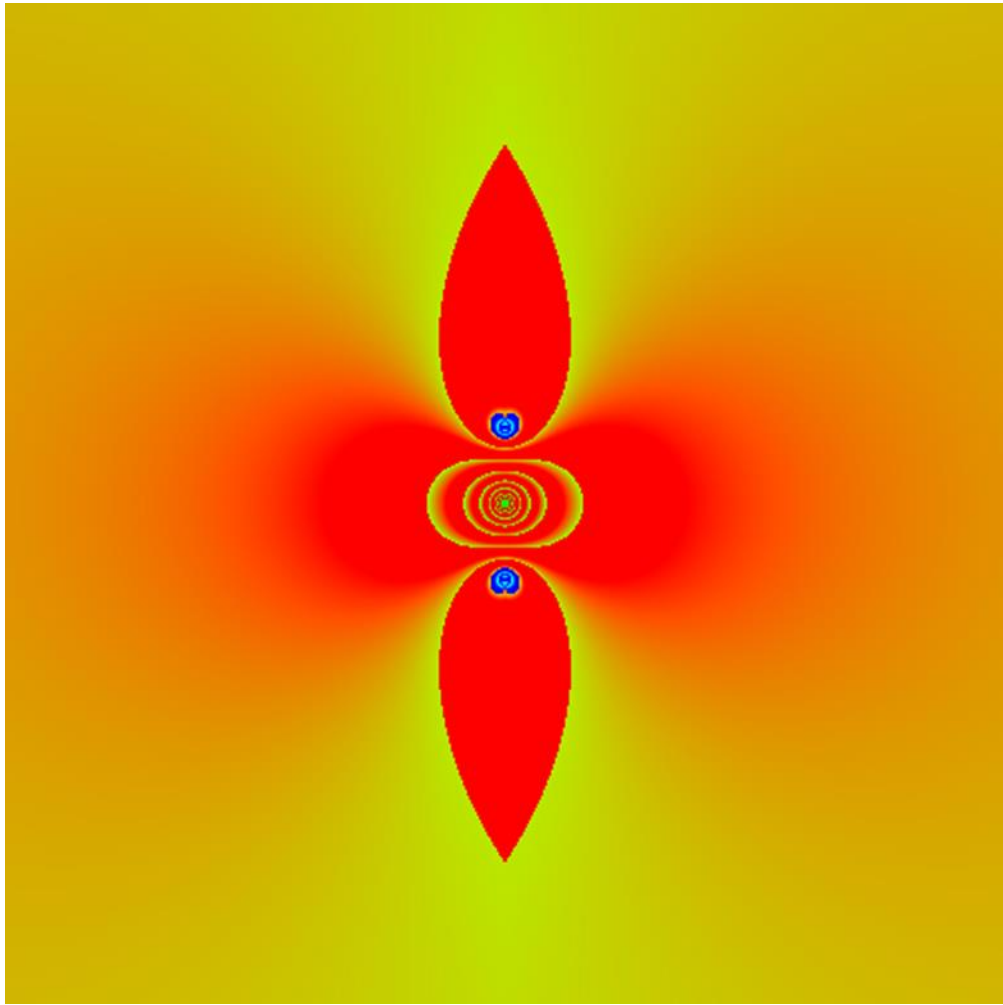


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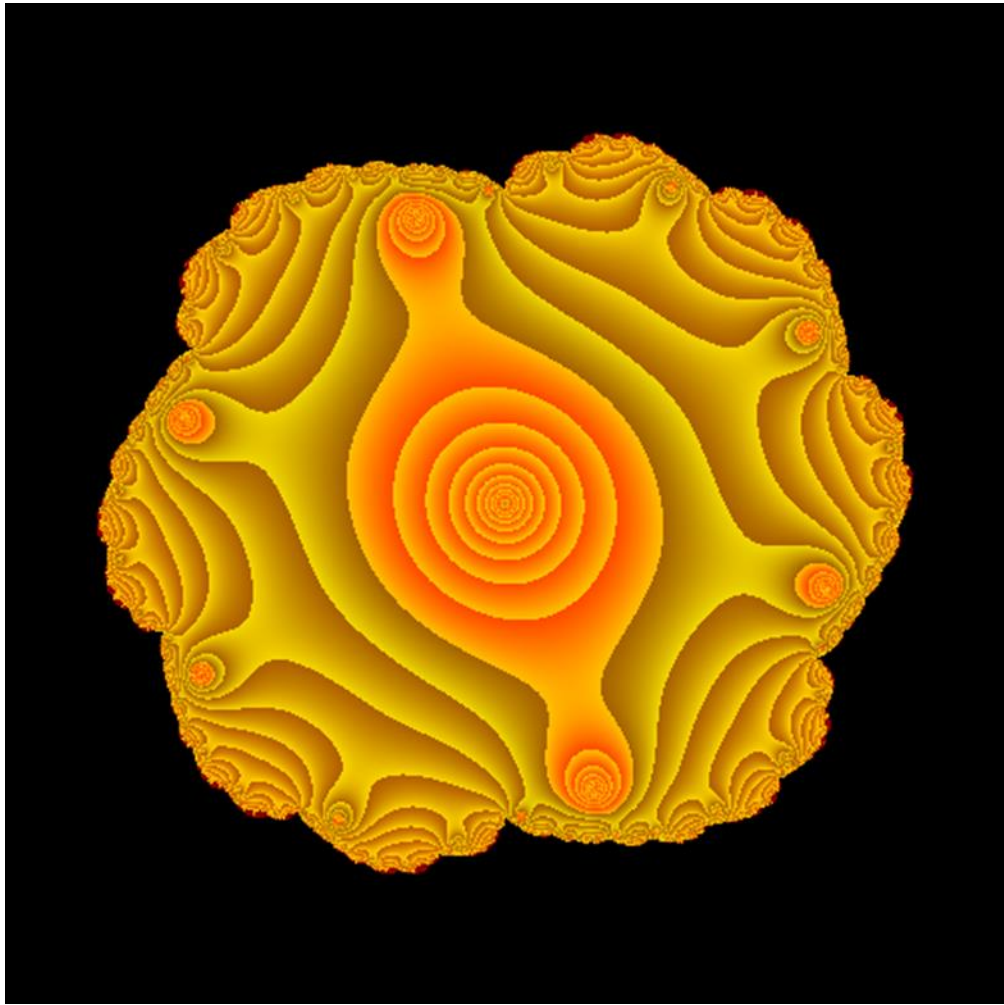


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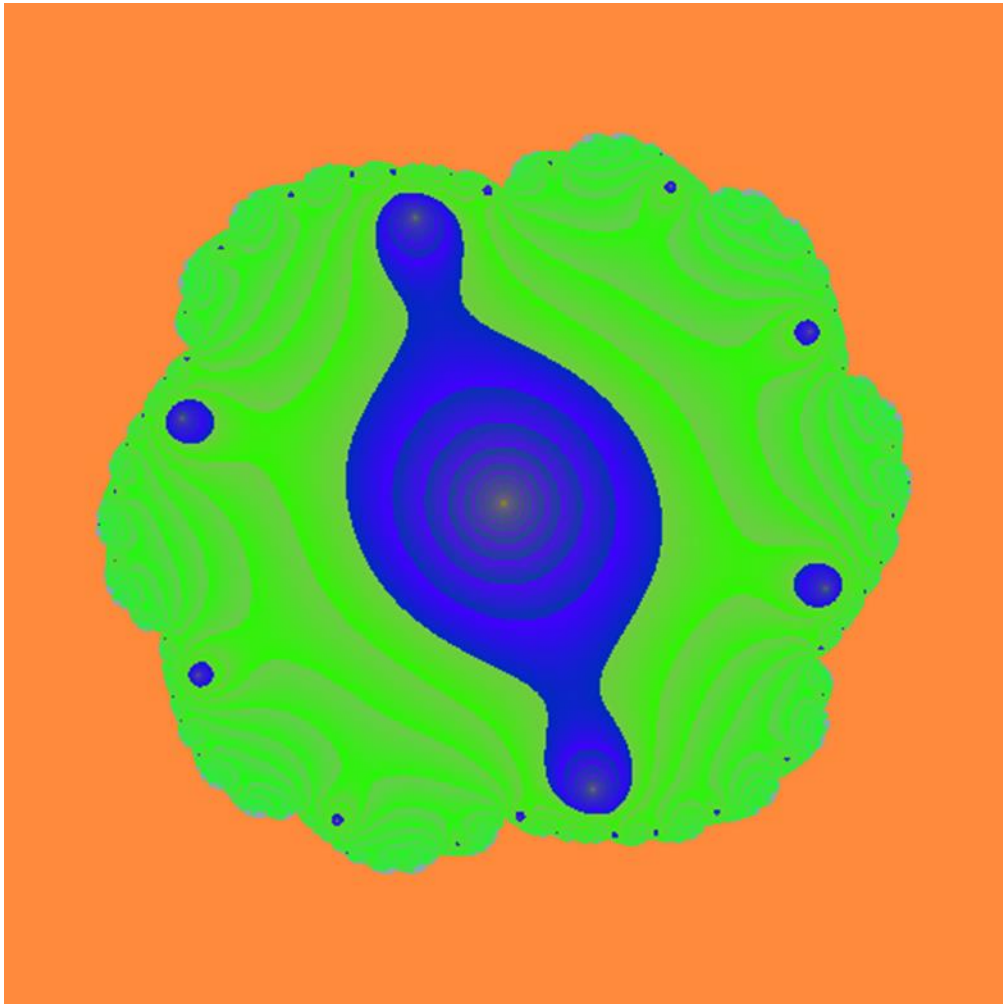


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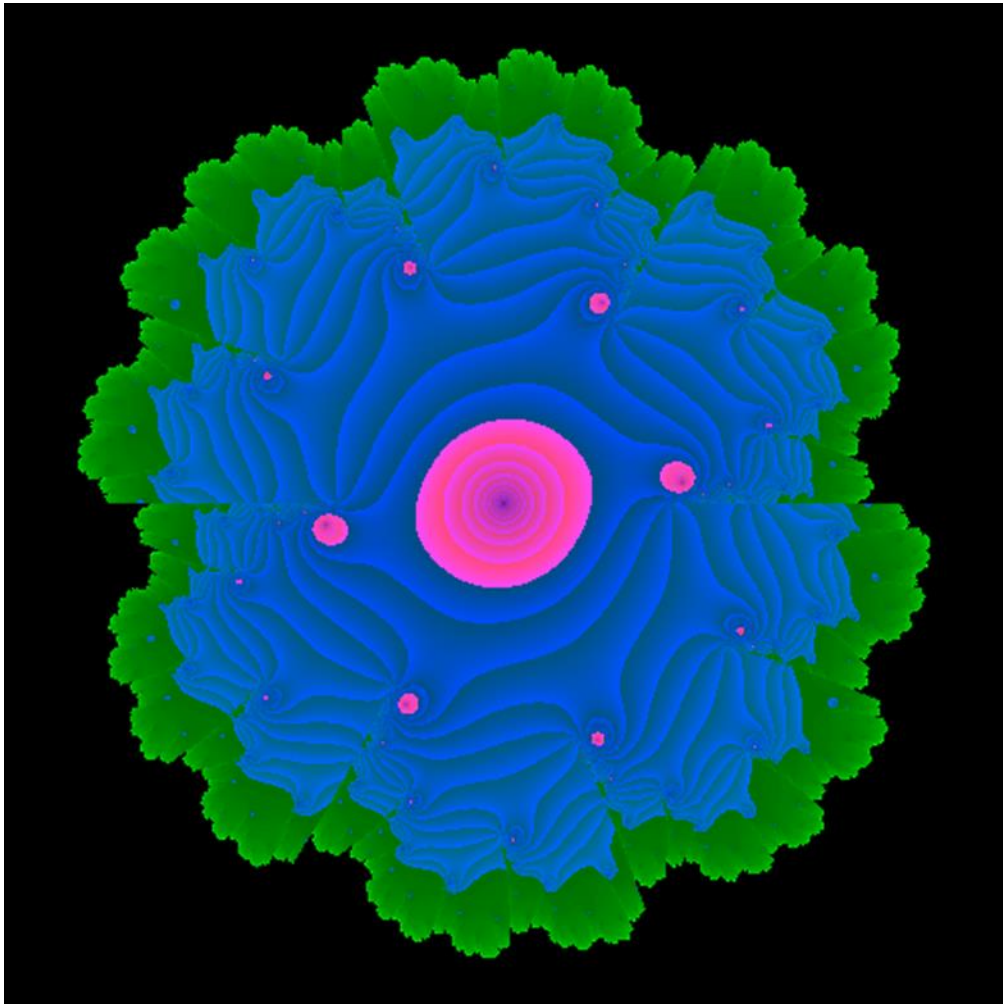


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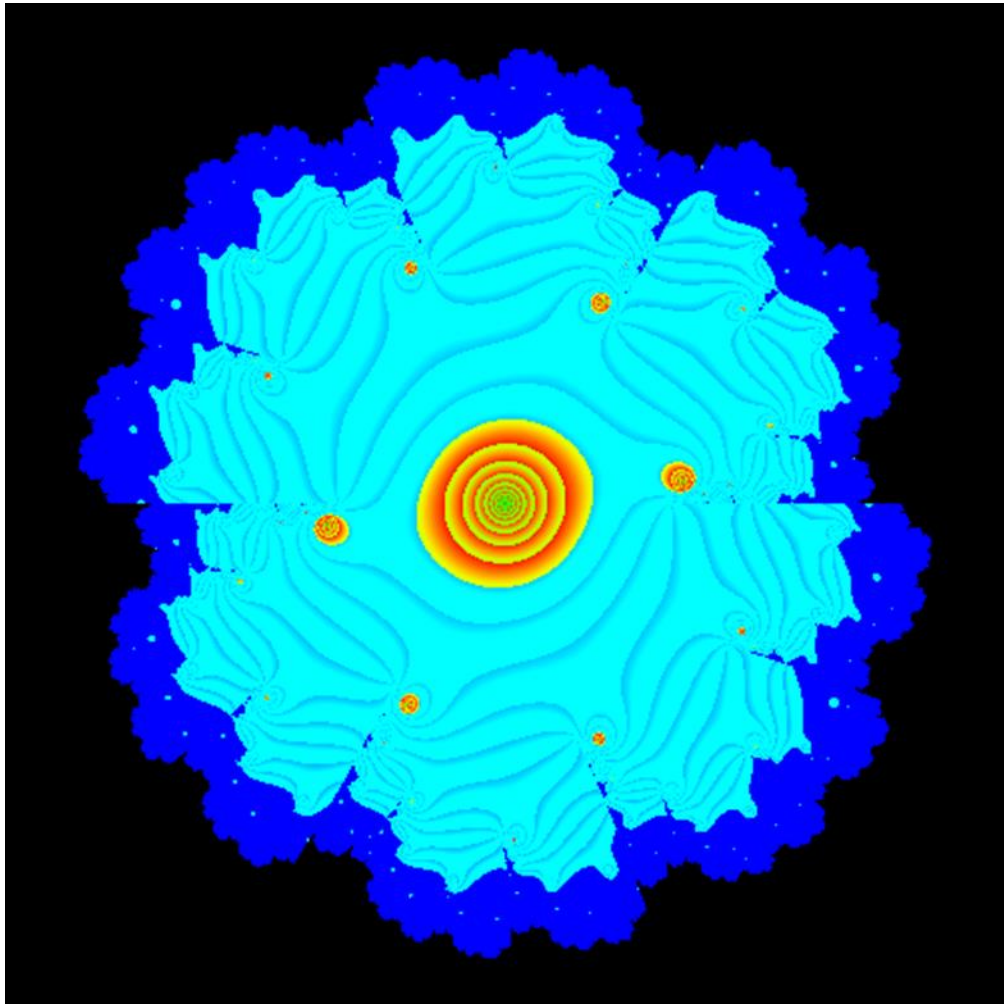


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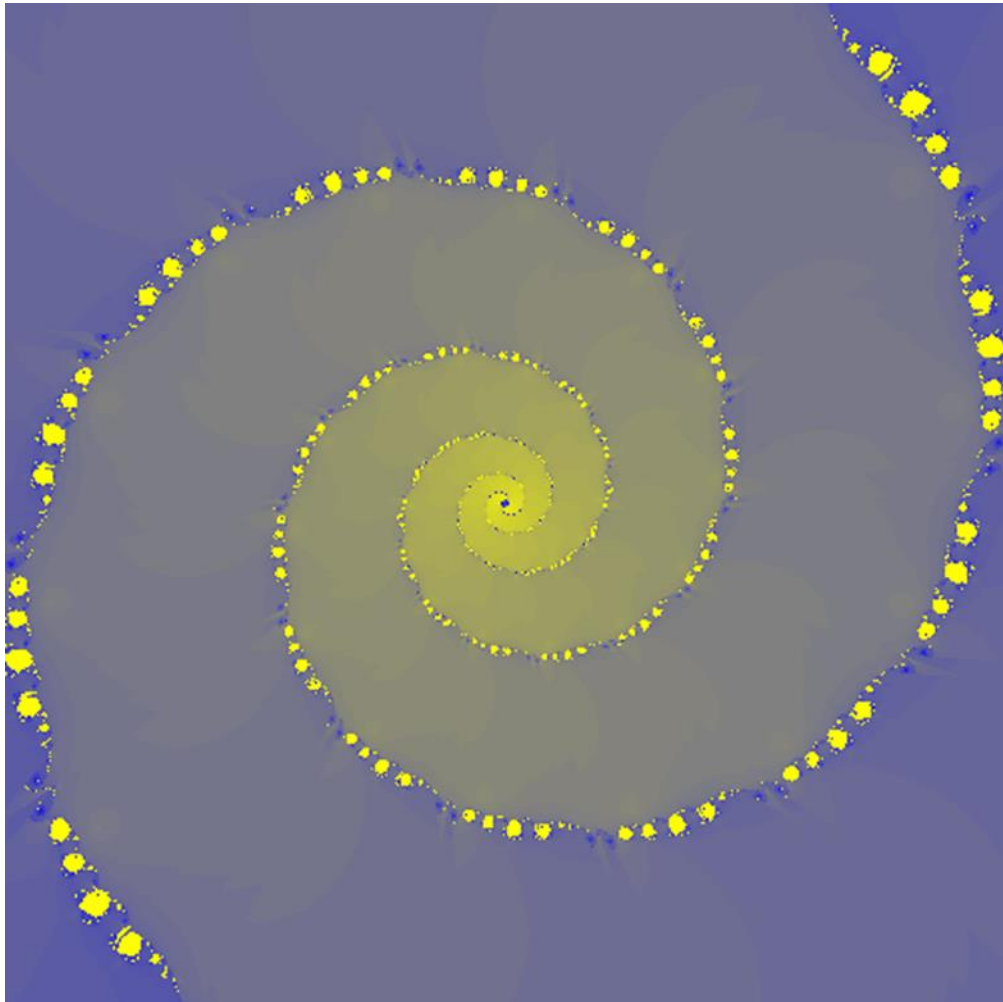


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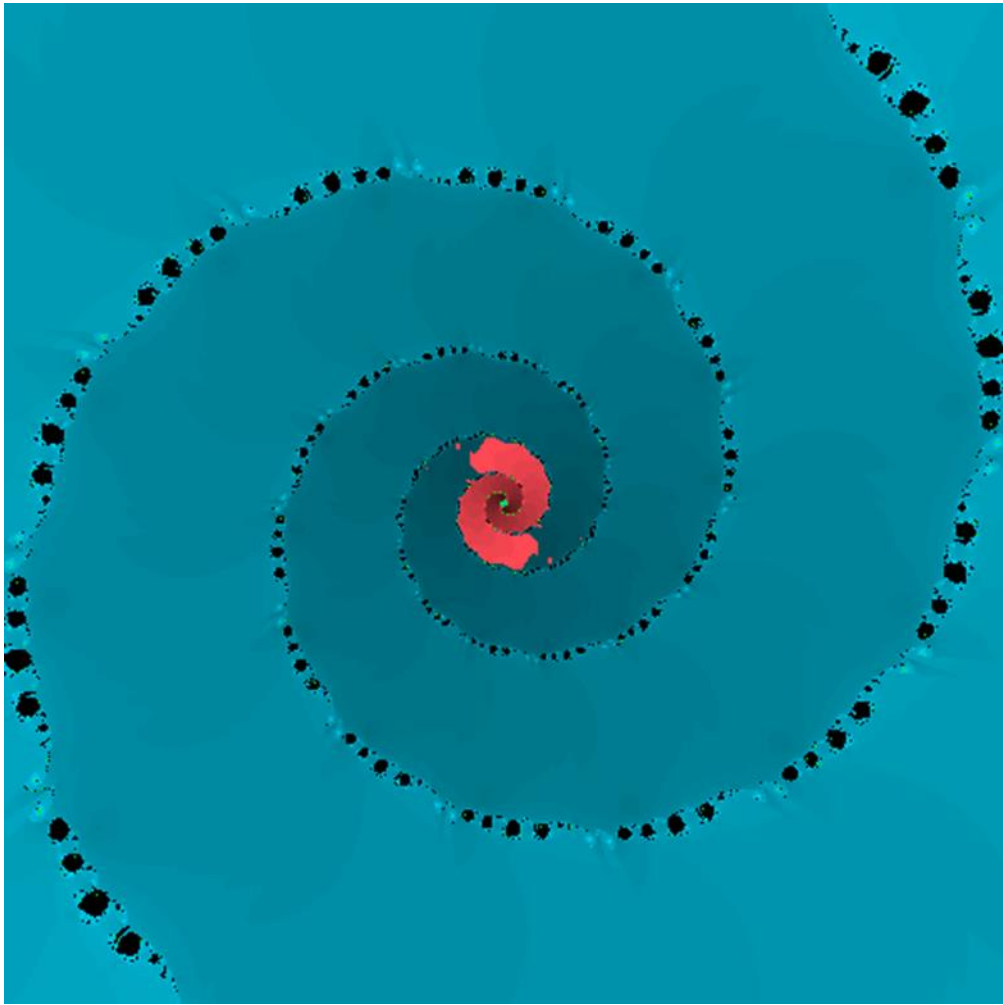


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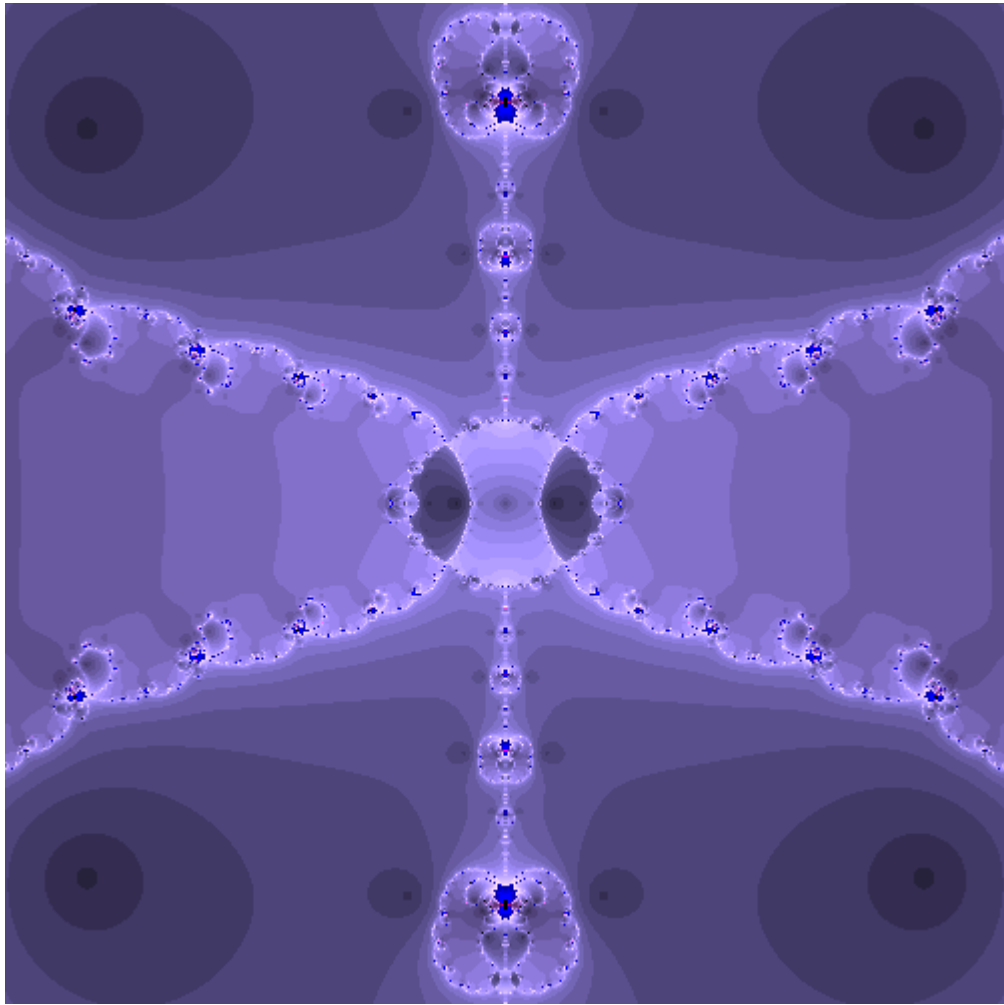


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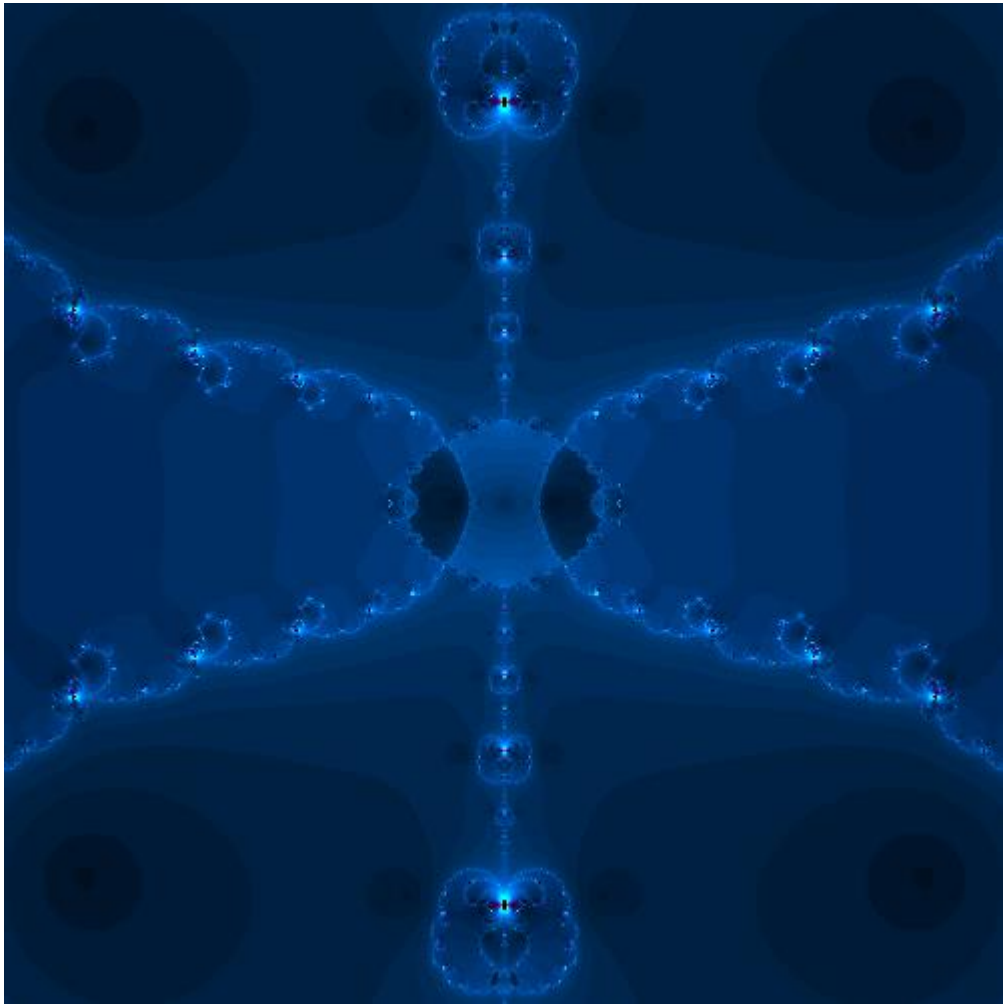


Figura 61.

Referencias

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