

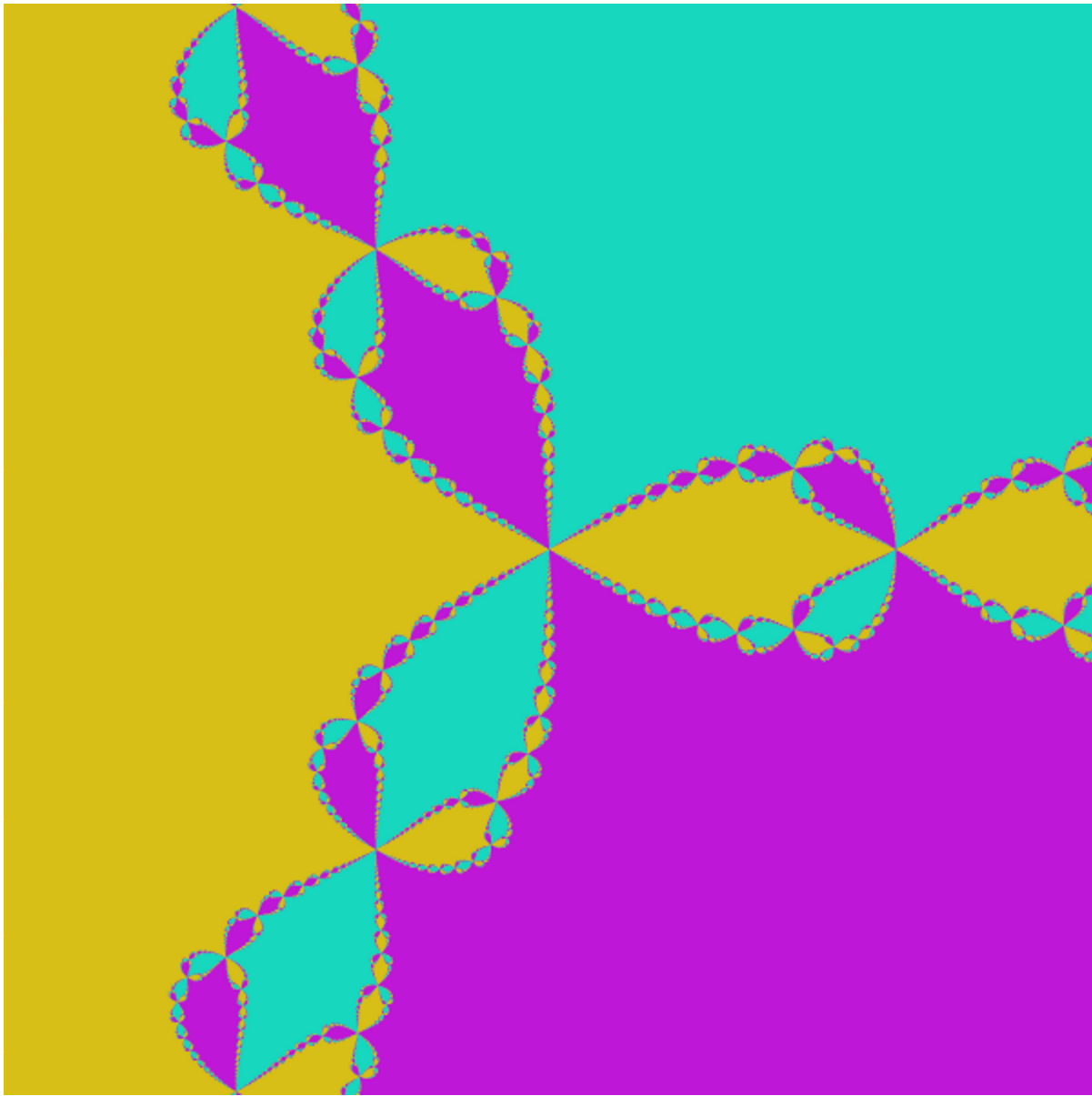
# Convergence Maps for Root Finding for Functions of Complex Variable (Fractals)

Newton, Halley, Schroeder, Householder, Secant, ...

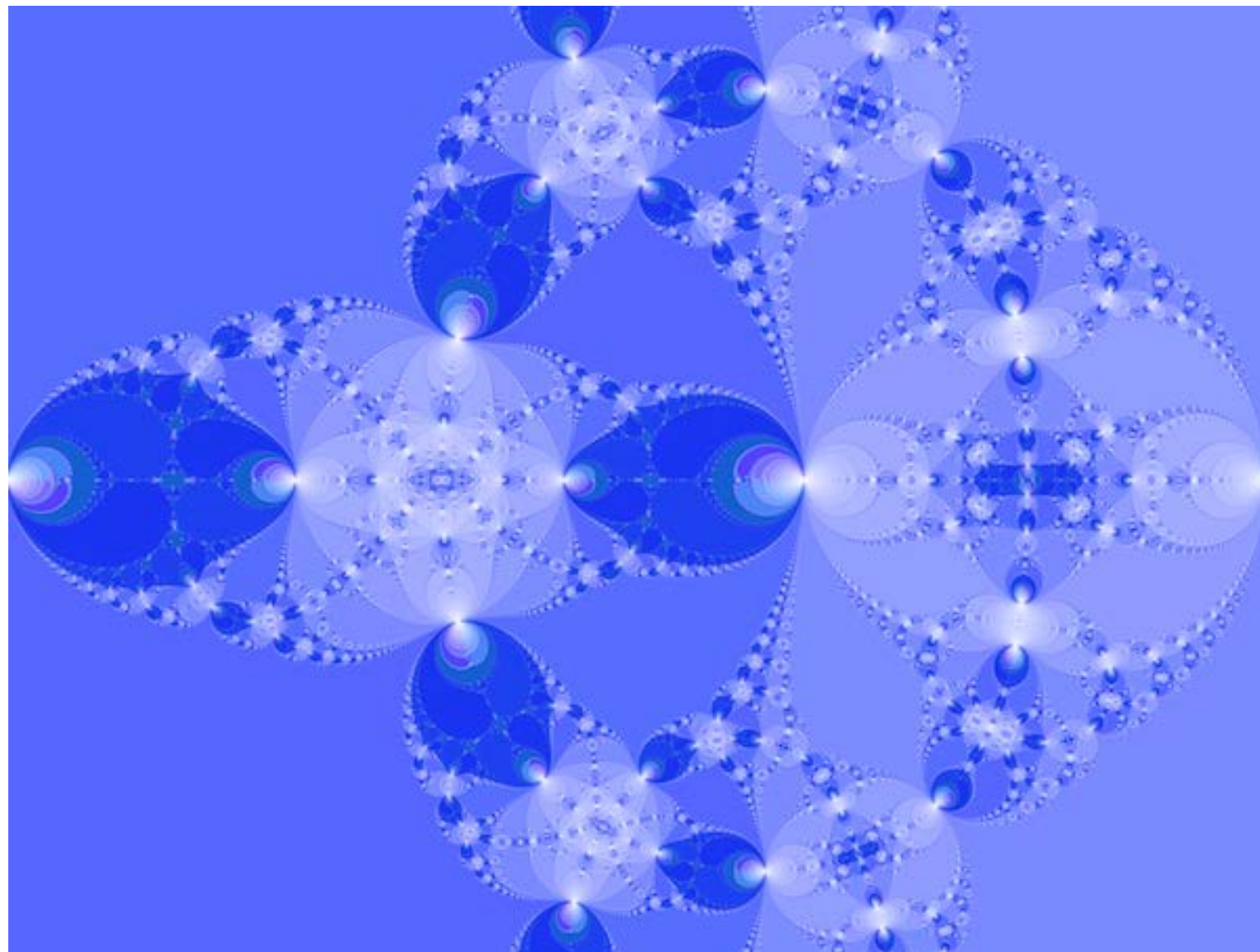
Images taken from:

[http://yozh.org/2012/10/02/newton\\_fractals/](http://yozh.org/2012/10/02/newton_fractals/)

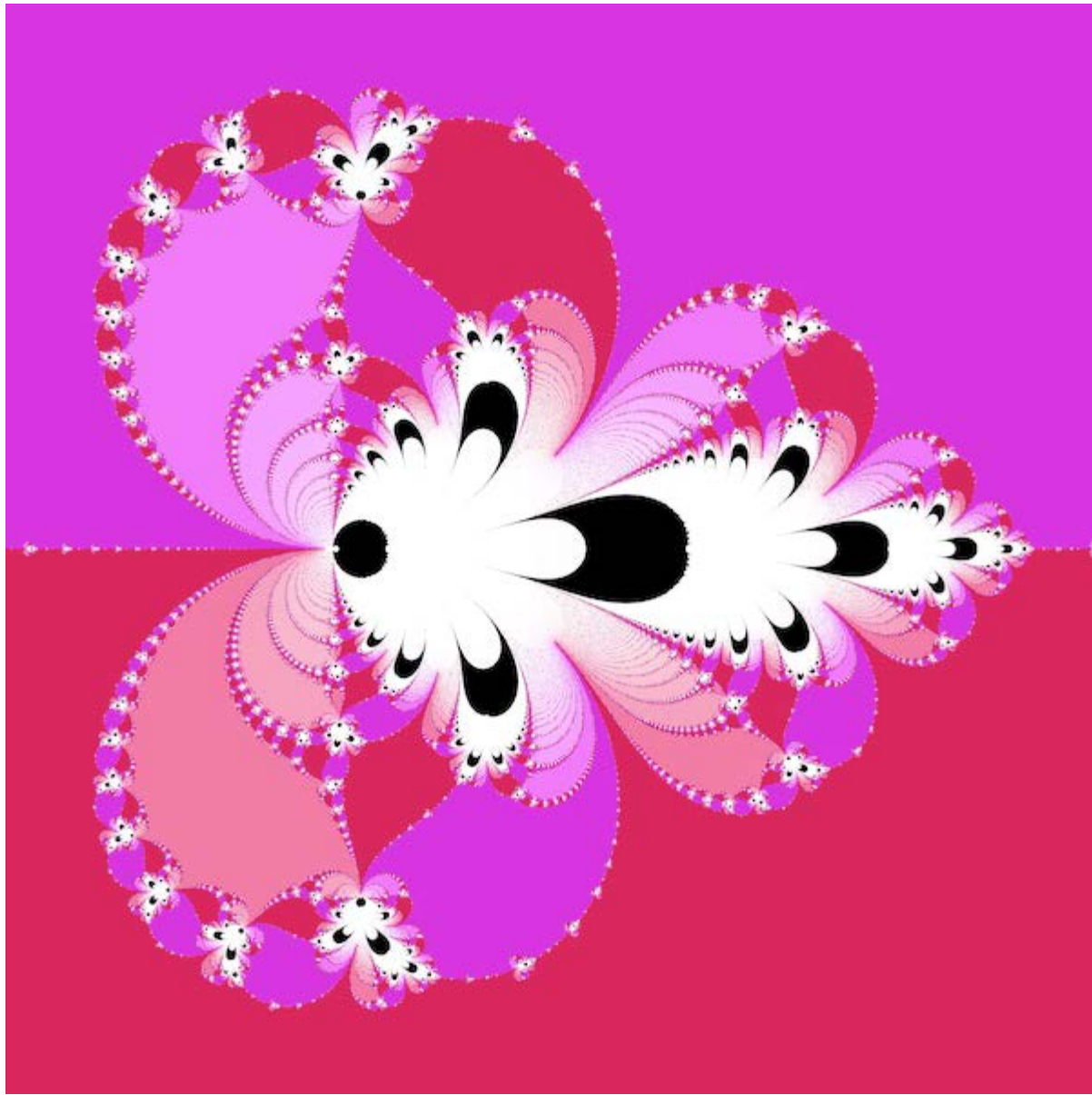
[www.softologyblog.wordpress.com/2011/01/20/root-finding-fractals/](http://www.softologyblog.wordpress.com/2011/01/20/root-finding-fractals/)



$$x^3 + 1$$



$$\cos(x) + \cos(2x) + x$$



$$e^x - x$$

