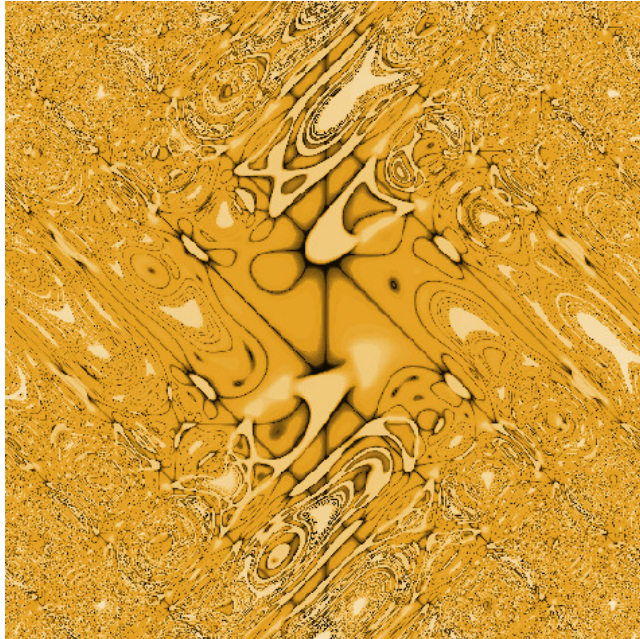


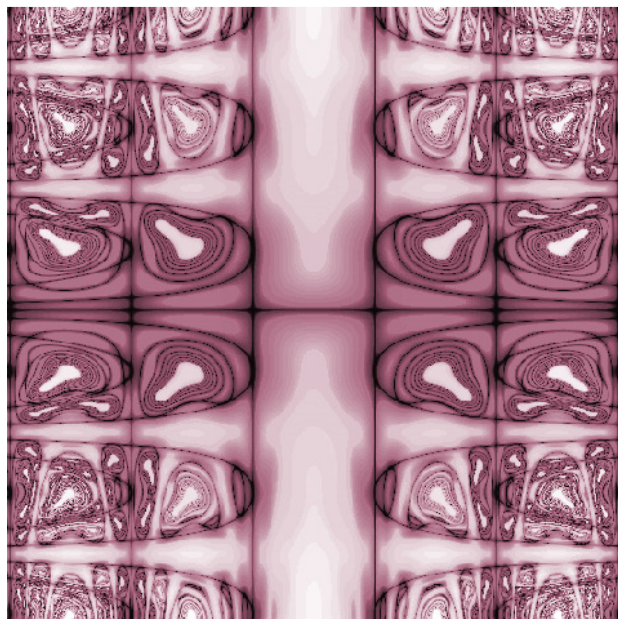
Images Collection I

John Gill December 2013

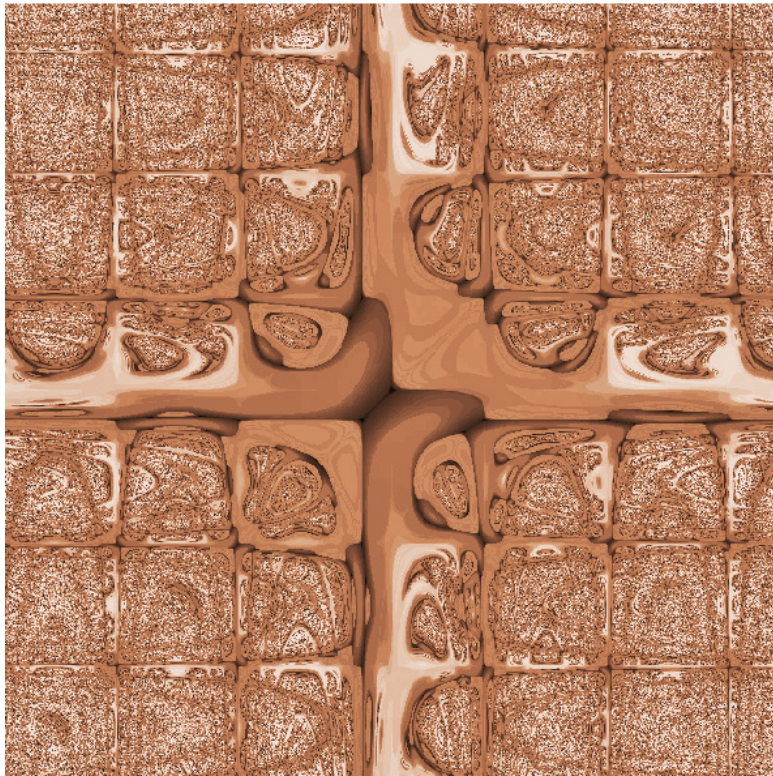
(1) $F = x\cos(x+y) + iy\sin(x-y)$ iterated $n=5$ on $-8 \leq x, y \leq 8$



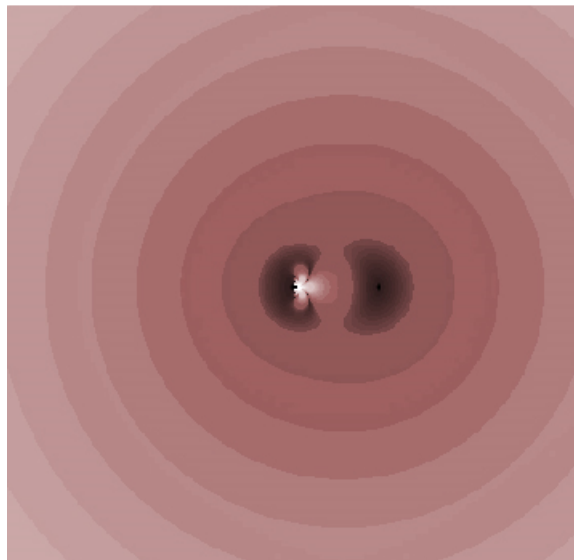
(2) $F = x\sin(y) + iy\cos(x)$ iterated $n=10$, $-8 \leq x, y \leq 8$



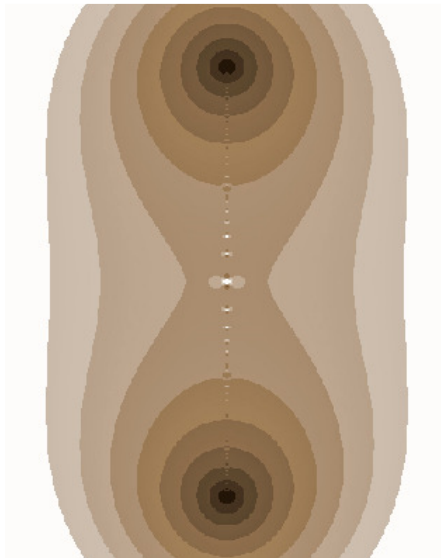
(3) $f = x(\sin(y) + \cos(y)) + iy(\sin(x) + \cos(x)), -10 \leq x, y \leq 10, n = 10$



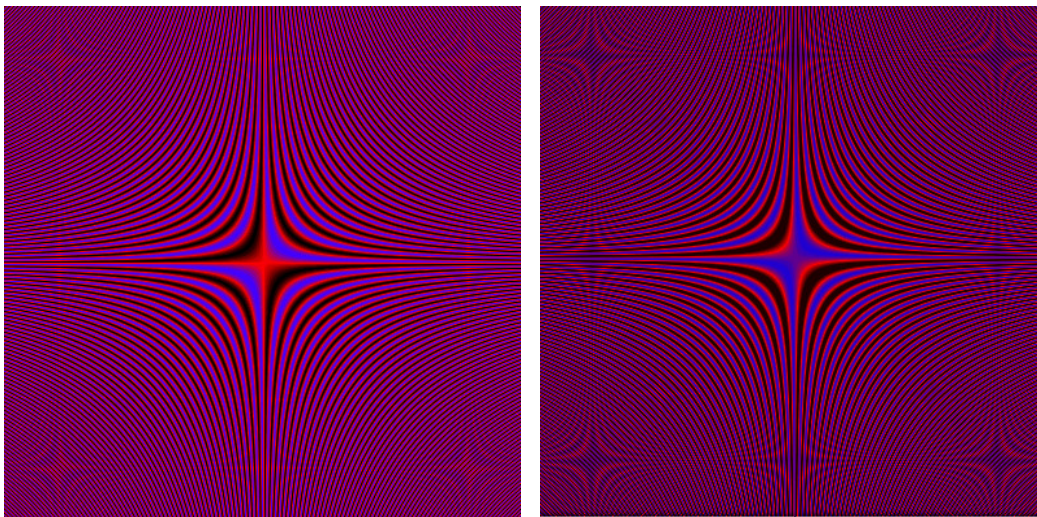
(4) $f(z) = e^{\frac{1}{z}} - z, -8 < x, y < 8$



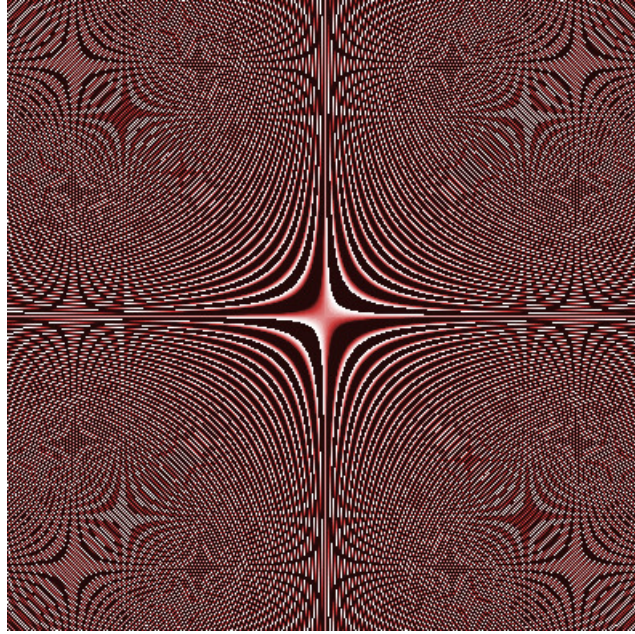
(5) $F(z) = z + \frac{1}{z}$ iterated 30 times over $-8 < x < 8, -10 < y < 10$



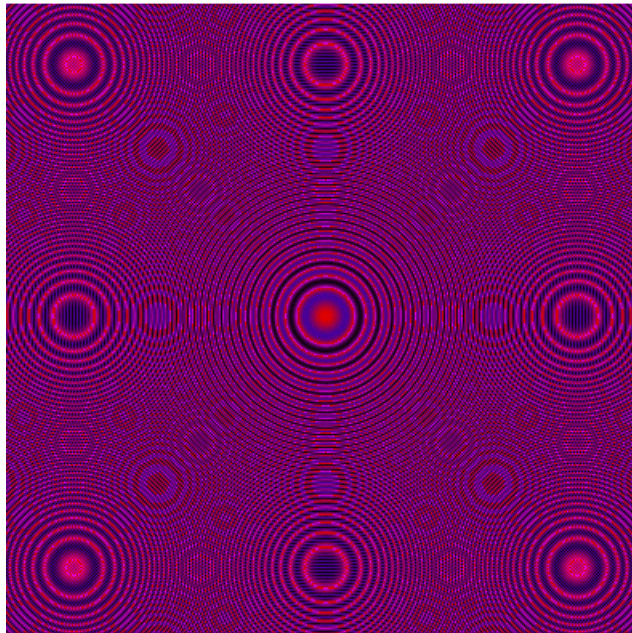
(6) *Veil of Spirits*: $f(x, y) = e^{20 \sin(xy)}$, and $f(x, y) = e^{20(\sin(xy) + \cos(xy))}$ $-20 < x, y < 20$



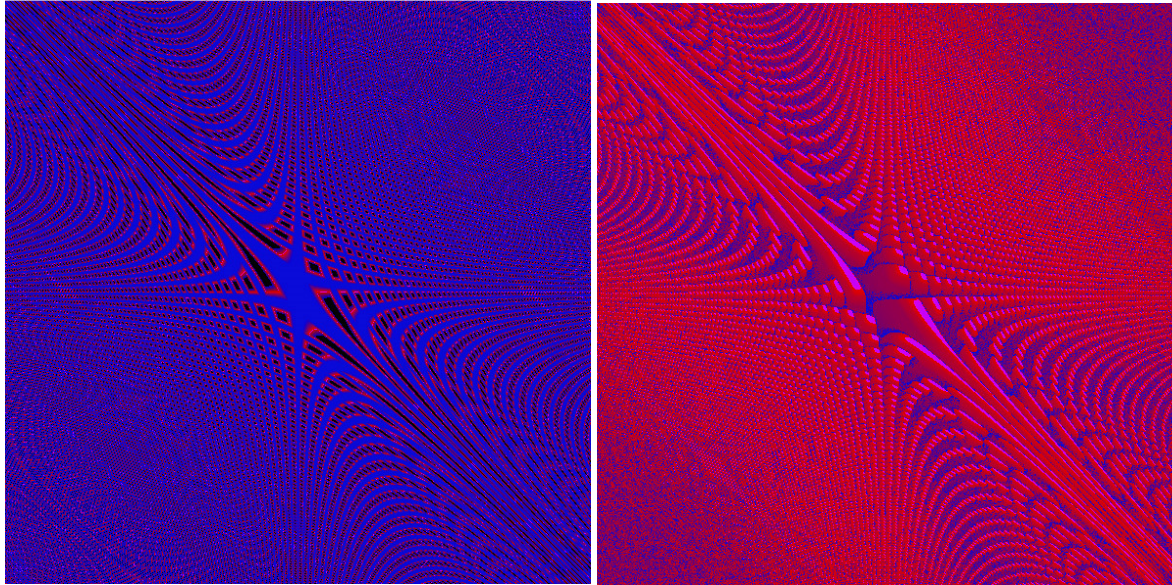
Hidden Detail . . .



(7) Ripples: $f(x, y) = e^{20 \sin(x^2 + y^2)}$ $-20 < x, y < 20$



(8) $f(z,t) = e^{20t\cos(x^2+xy)} + i \cdot e^{20t\sin(y^2+xy)}$, $-20 < x, y < 20$, Complex flux ($t=1$) vs Virtual integral



(9) $f(z) = x\cos(y) + iy\sin(x)$ $n=100$ iterations $-6 < x, y < 6$

