

$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

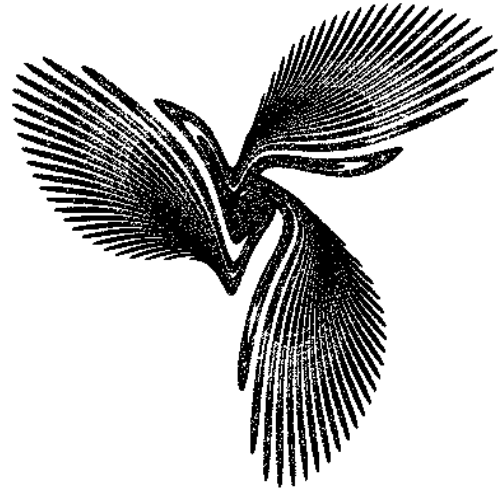
Nombre de points = 80000

$$x_0 = 1$$

$$y_0 = 1$$

$$a = -.5355$$

$$b = 1$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

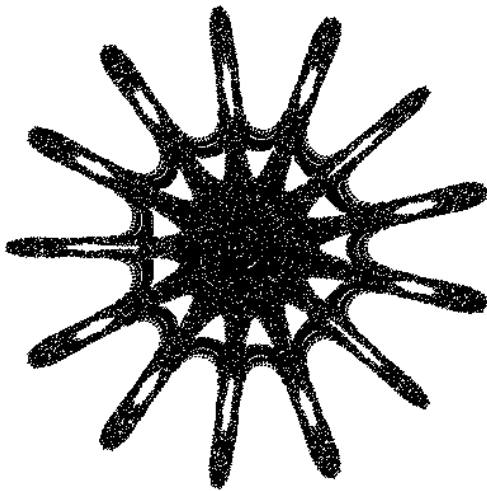
Nombre de points = 100000

$$x_0 = -7.51072037$$

$$y_0 = 13.66255124$$

$$a = -.4849900881$$

$$b = 0.9758744406$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

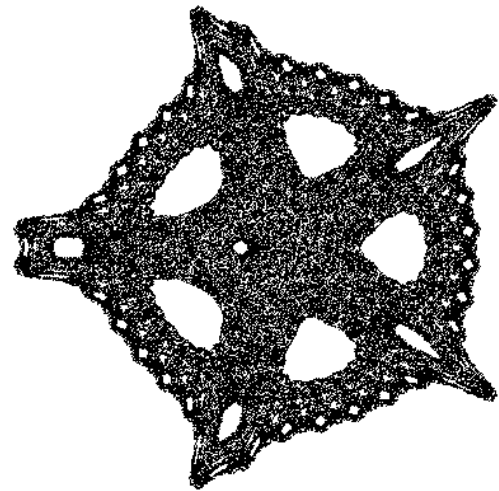
Nombre de points = 80000

$$x_0 = -5$$

$$y_0 = -11$$

$$a = -.75039721$$

$$b = 1$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

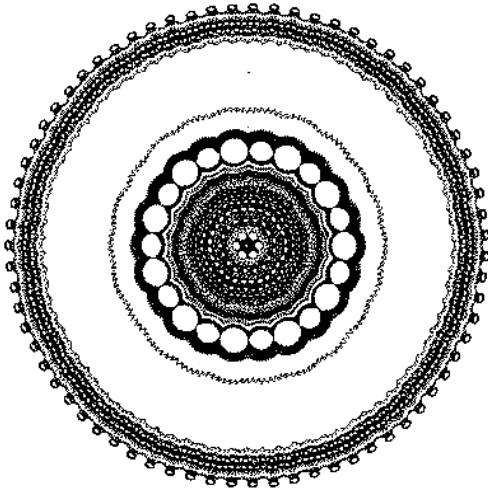
Nombre de points = 80000

$$x_0 = -.7921202843$$

$$y_0 = -.1653039760$$

$$a = 0.266865349$$

$$b = 1$$



$$f(x) = a x - \frac{x}{a + x} + \arctan(a x)$$

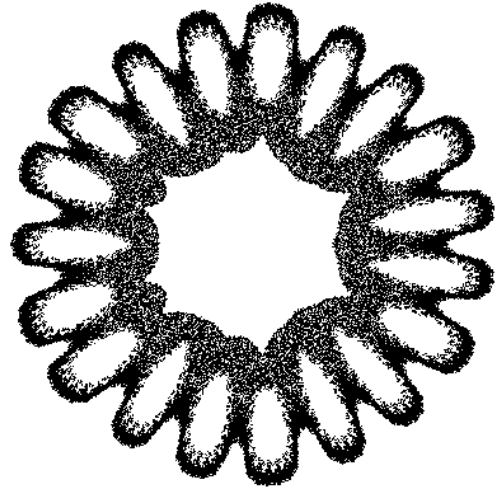
Nombre de points = 100000

$$x_0 = -1.81786712$$

$$y_0 = -6.48354626$$

$$a = 0.403136816$$

$$b = 1$$



$$f(x) = a x + \arctan(|x - a|)$$

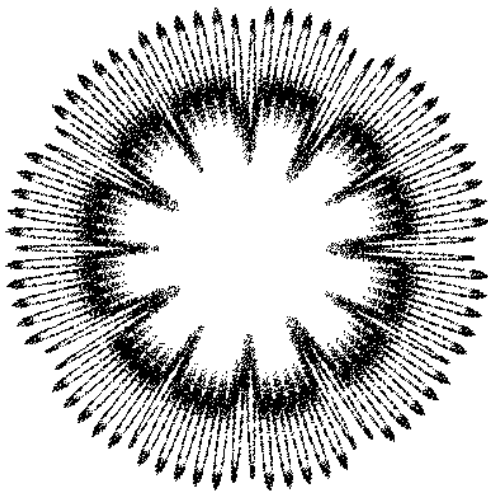
Nombre de points = 80000

$$x_0 = -7.79908189$$

$$y_0 = 15.14785386$$

$$a = 0.544015403$$

$$b = 1$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

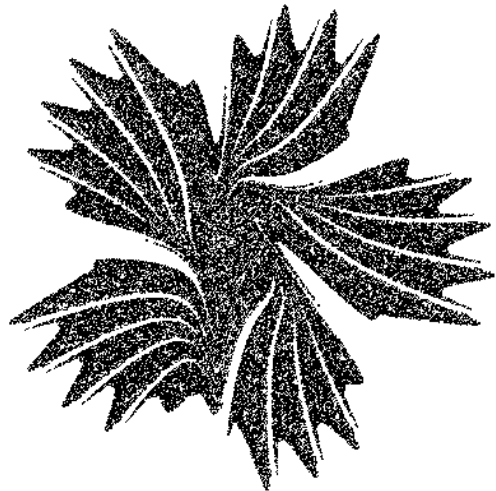
Nombre de points = 52071

$$x_0 = 1$$

$$y_0 = 15$$

$$a = -.869471195$$

$$b = 1$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

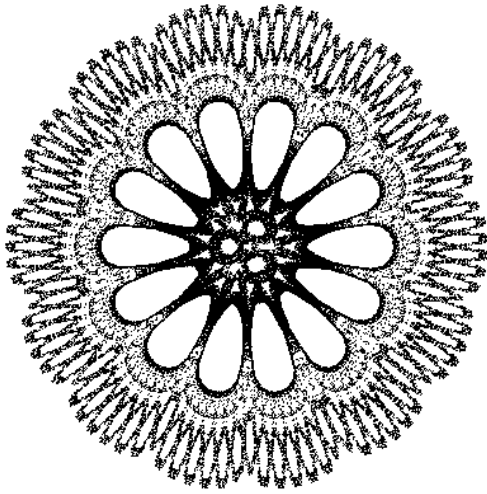
Nombre de points = 100000

$$x_0 = 4.08073727$$

$$y_0 = 12.21132774$$

$$a = -.7842208082$$

$$b = 0.9890020033$$



$$f(x) = a x + \frac{2(1-a)x^2}{1-x+x^2}$$

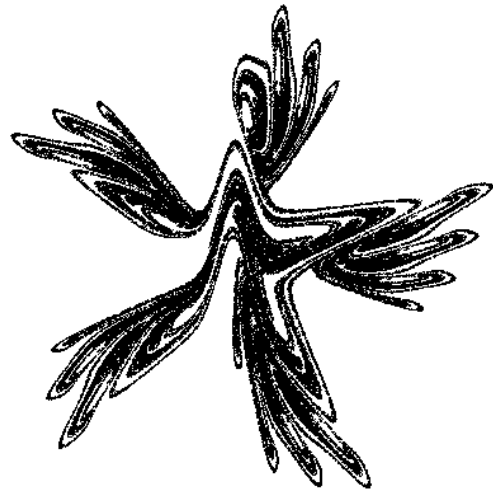
Nombre de points = 80000

$$x_0 = -5.2$$

$$y_0 = -9$$

$$a = -.62825$$

$$b = 1$$



$$f(x) = a x + \frac{e^{-x^2}}{a}$$

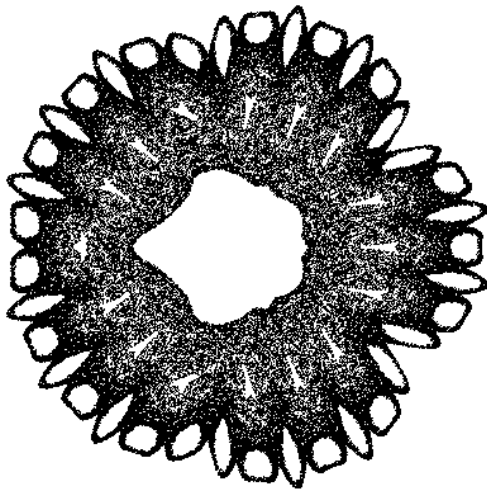
Nombre de points = 100000

$$x_0 = -9.83775645$$

$$y_0 = 0.49936366$$

$$a = 0.274436981$$

$$b = 0.9618563062$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

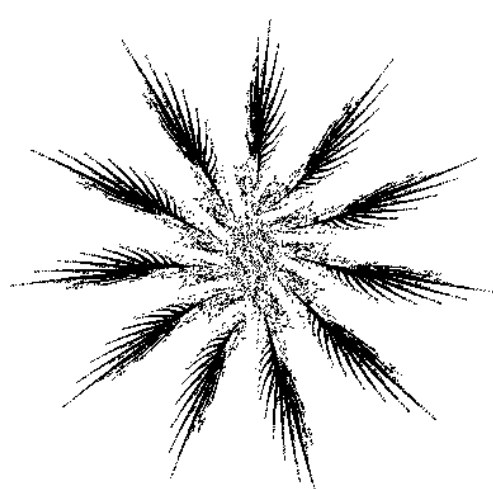
Nombre de points = 100000

$$x_0 = 5.64147642$$

$$y_0 = 2.07640240$$

$$a = 0.368164112$$

$$b = 1$$



$$f(x) = a x + \arctan\left(\frac{x^2}{1+ax+ax^2}\right)$$

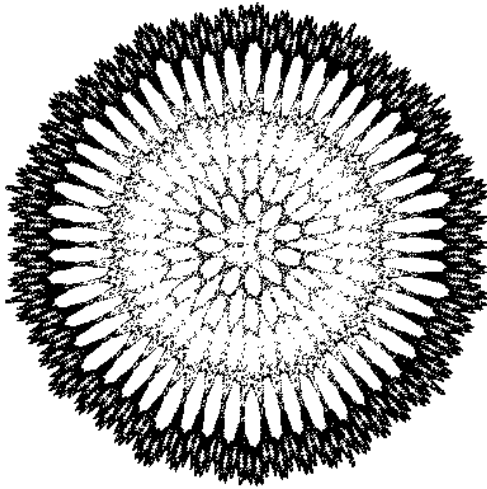
Nombre de points = 100000

$$x_0 = -19.82268594$$

$$y_0 = -17.14465884$$

$$a = -.9612387097$$

$$b = 0.9788351056$$



$$f(x) = a x + \frac{2(1-a)(x-b)^2}{1+x^2}$$

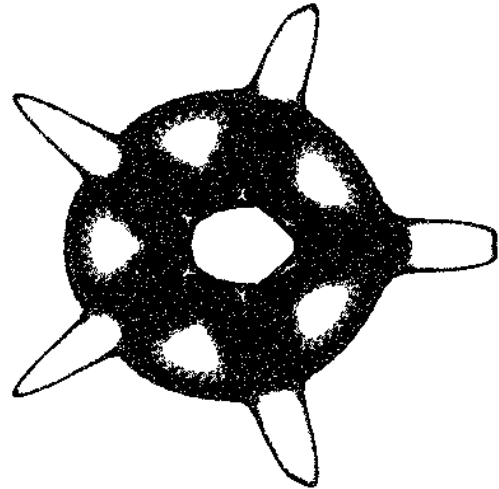
Nombre de points = 100000

$$x_0 = 4$$

$$y_0 = 6$$

$$a = -.6286990697$$

$$b = 1$$



$$f(x) = a x - \arctan(a - x + a x^2)$$

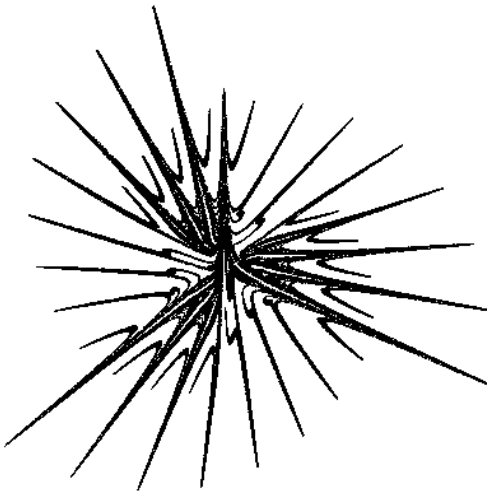
Nombre de points = 100000

$$x_0 = 7.43318557$$

$$y_0 = -5.60684739$$

$$a = 0.285586246$$

$$b = 1$$



$$f(x) = a x + \frac{x+3}{x^2+a^2}$$

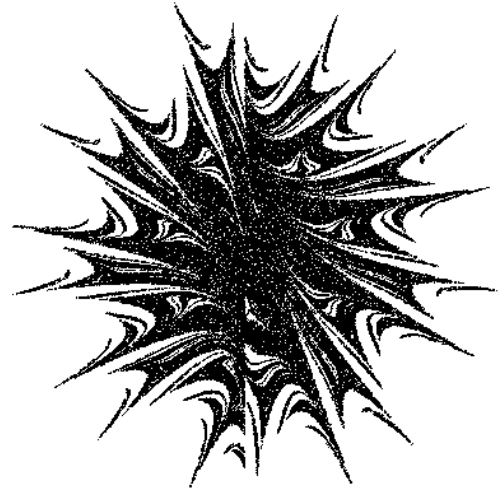
Nombre de points = 100000

$$x_0 = 6.03780286$$

$$y_0 = -5.70218011$$

$$a = -.4241828808$$

$$b = 0.951219909$$



$$f(x) = a x + \arctan\left(\frac{a}{a-x}\right)$$

Nombre de points = 100000

$$x_0 = -18.44246455$$

$$y_0 = -5.42085387$$

$$a = -.9408669491$$

$$b = 0.9832867616$$



$$f(x) = a x + \arctan(a^2 - x^2)$$

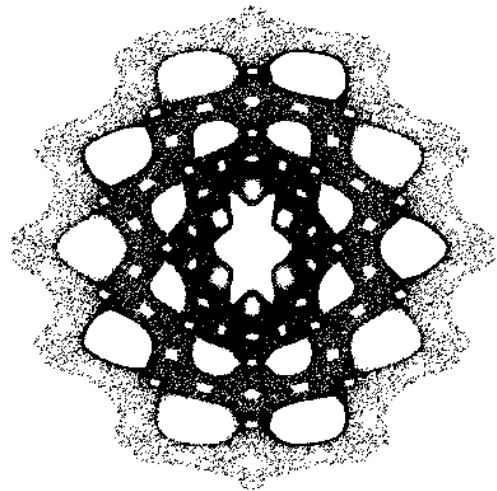
Nombre de points = 100000

$$x_0 = -2.29925371$$

$$y_0 = -4.60346958$$

$$a = -.7525339581$$

$$b = 0.9945418573$$



$$f(x) = a x + \arctan\left(\frac{x^3}{a^2 + x^2}\right)$$

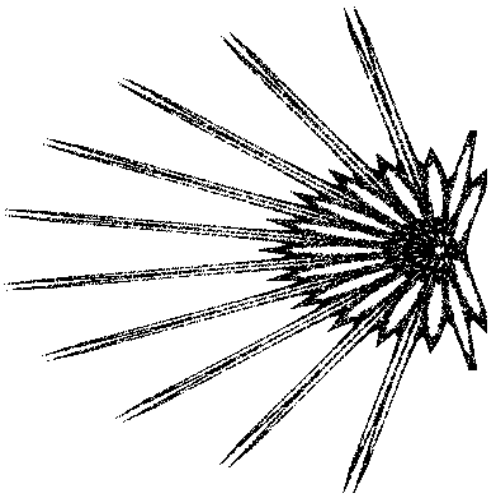
Nombre de points = 100000

$$x_0 = 2.52196489$$

$$y_0 = 0.75300608$$

$$a = -.9588547962$$

$$b = 1$$



$$f(x) = \frac{a x^2}{1 + |x|}$$

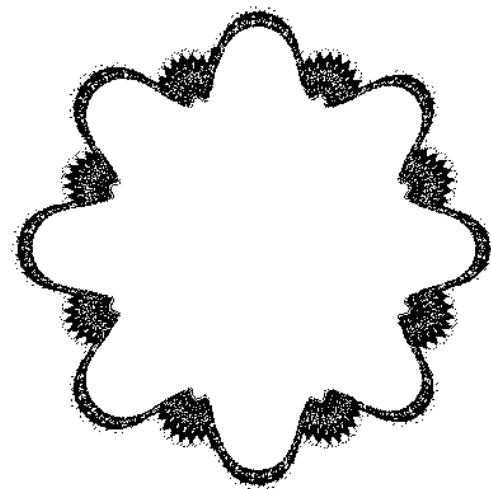
Nombre de points = 40000

$$x_0 = -8.60474367$$

$$y_0 = -.28548357$$

$$a = -.9547607142$$

$$b = 1.$$



$$f(x) = x \arctan(a) + \frac{x^2}{1 + \sin(a) x + x^2 \cos(a)}$$

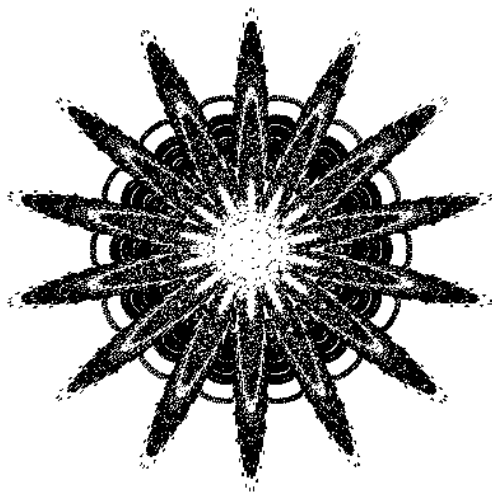
Nombre de points = 100000

$$x_0 = -19$$

$$y_0 = -12$$

$$a = 0.870688295$$

$$b = 1$$



$$f(x) = a x + \arctan\left(\frac{x^3}{1+a x^3}\right)$$

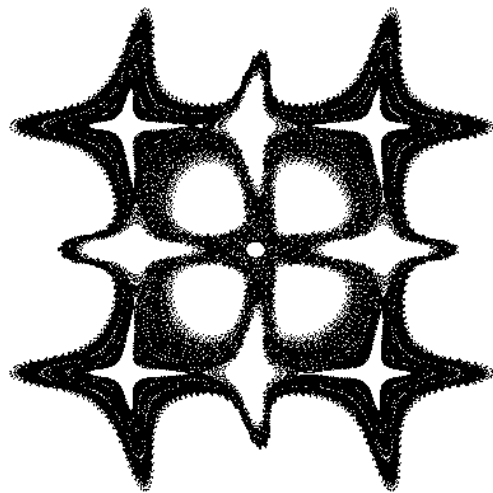
*Nombre de points = 100000*

$$x_0 = -12.40306356$$

$$y_0 = -6.59986114$$

$$a = 0.223542556$$

$$b = 1$$



$$f(x) = |a x - \arctan(a - x)|$$

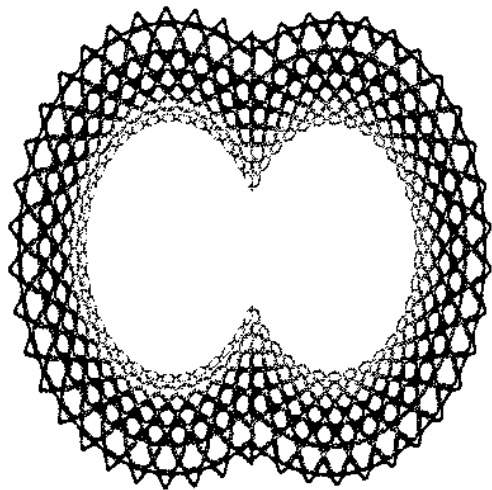
*Nombre de points = 100000*

$$x_0 = 8.99238039$$

$$y_0 = 2.11966002$$

$$a = -.1792936648$$

$$b = 1$$



$$f(x) = a x - \arctan(a^2 - x)$$

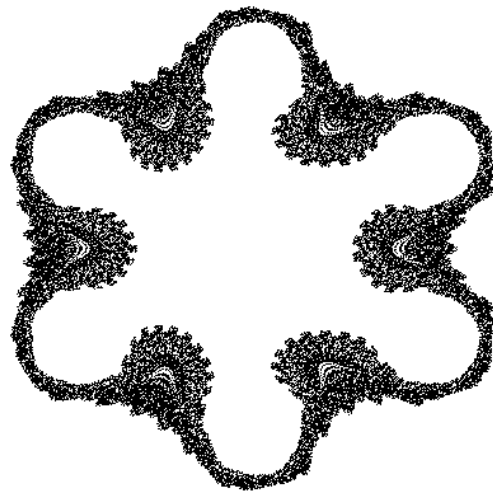
*Nombre de points = 100000*

$$x_0 = -6$$

$$y_0 = -15$$

$$a = 0.983769578$$

$$b = 1$$



$$f(x) = a x + \frac{1}{\operatorname{arccot}(\cos(a x))}$$

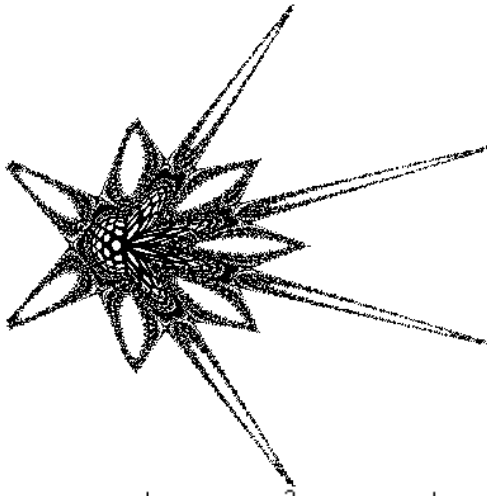
*Nombre de points = 40000*

$$x_0 = 14.15211024$$

$$y_0 = -1.15064980$$

$$a = 0.486964938$$

$$b = 1.$$



$$f(x) = \left| a x - \frac{b x^2 - \sin(a)}{a x^2 + \cos(b)^2} \right|$$

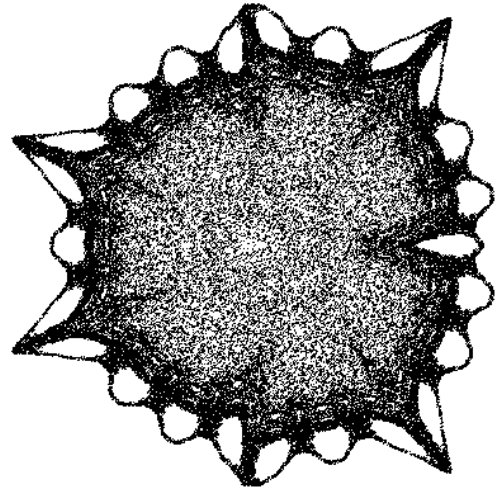
Nombre de points = 40000

$$x_0 = -5.11404993$$

$$y_0 = -6.06289923$$

$$a = 0.733303464$$

$$b = 1.$$



$$f(x) = a x + \frac{2(1-a)x^2}{1+x^2}$$

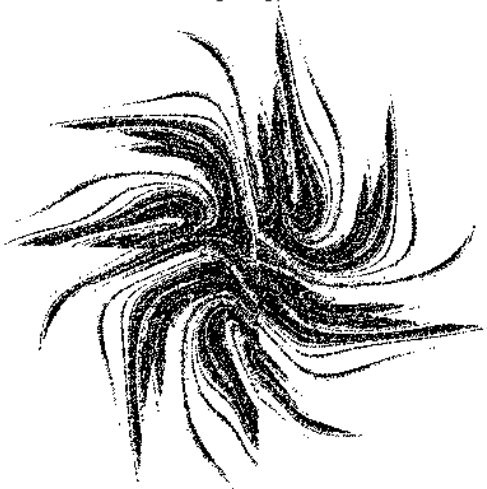
Nombre de points = 80000

$$x_0 = -12.78426738$$

$$y_0 = -6.15300956$$

$$a = -.2653958066$$

$$b = 1.$$



$$f(x) = \arctan\left(a x + \frac{x}{x-1}\right)$$

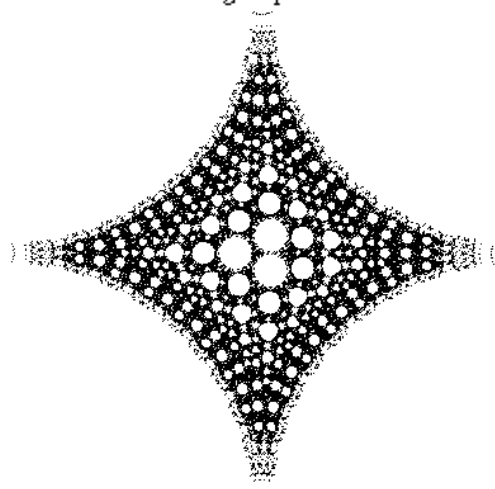
Nombre de points = 100000

$$x_0 = 4.44786287$$

$$y_0 = 8.17400449$$

$$a = -.6251507124$$

$$b = 0.9557426306$$



$$f(x) = a x + \frac{3-a}{a + e^{b x}}$$

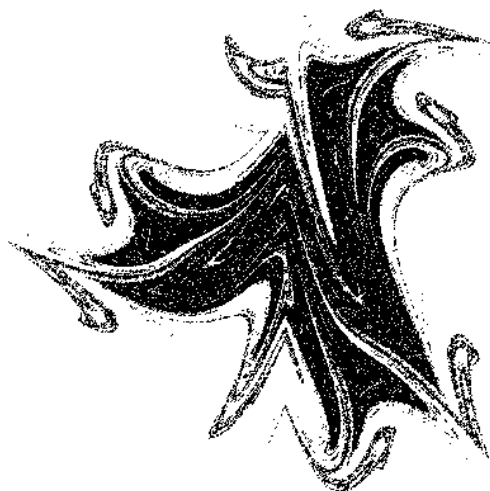
Nombre de points = 40000

$$x_0 = -2.80374142$$

$$y_0 = 17.63346916$$

$$a = 0.03628439$$

$$b = 1.$$



$$f(x) = a x - \left| \arctan(a - x) + \frac{b x^2}{1 + x^2} \right|$$

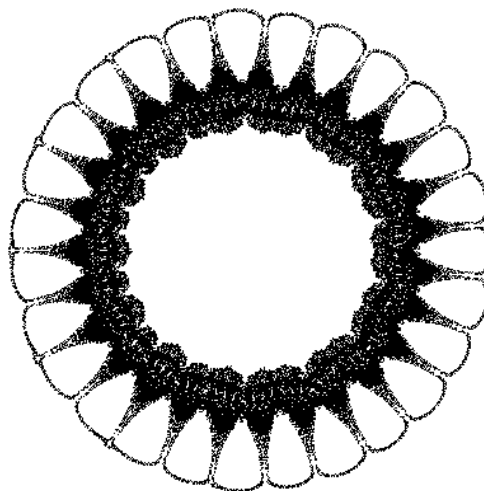
Nombre de points = 80000

$$x_0 = 12.37031406$$

$$y_0 = 8.78094572$$

$$a = -.9640736808$$

$$b = 0.9644999159$$



$$f(x) = a x + \left| \frac{(1 - a) x^2}{1 + x^2} - \arctan(a - x) \right|$$

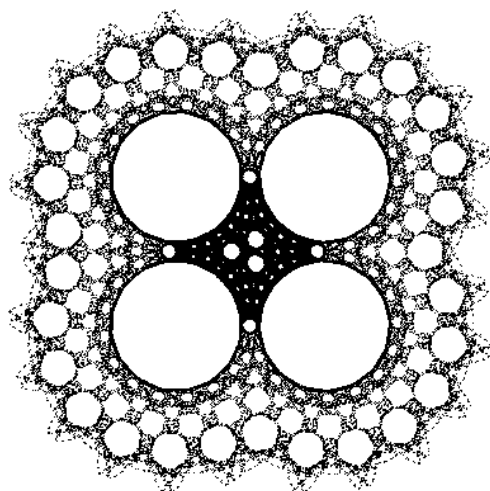
Nombre de points = 80000

$$x_0 = -19.05898683$$

$$y_0 = 13.90385469$$

$$a = 0.891324301$$

$$b = 1$$



$$f(x) = a x + \frac{3 - a}{a + e^x}$$

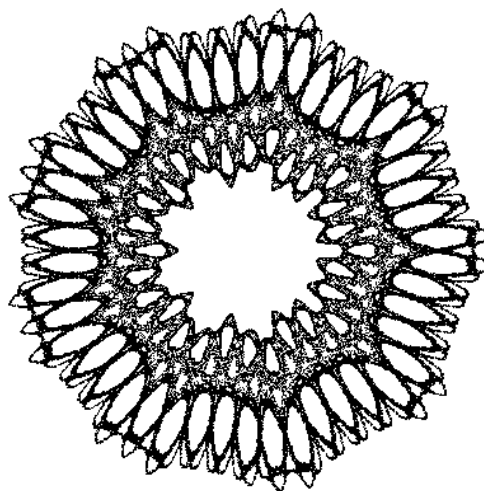
Nombre de points = 80000

$$x_0 = 6.07070856$$

$$y_0 = -.44769564$$

$$a = 0.09798342$$

$$b = 1$$



$$f(x) = a x - \frac{(1 - a x)^2}{1 + a^2 x + x^2}$$

Nombre de points = 80000

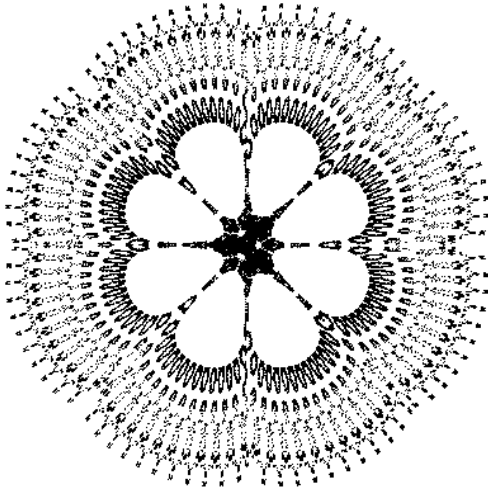
$$x_0 = -10.54090349$$

$$y_0 = -15.59184206$$

$$a = 0.772872559$$

$$b = 1$$





$$f(x) = a x + \tanh\left(\frac{a+x}{a-x}\right)$$

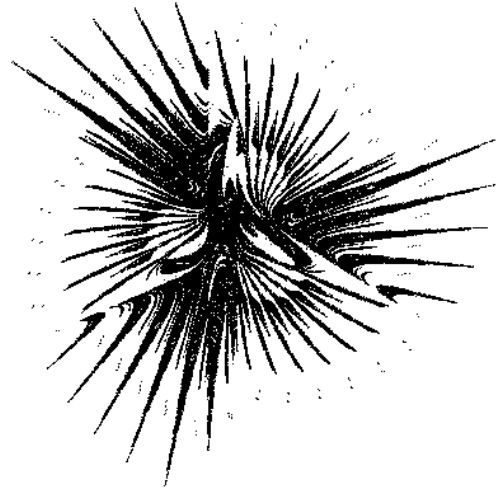
Nombre de points = 60000

$$x_0 = 15.37676347$$

$$y_0 = -18.70380997$$

$$a = -.713924858$$

$$b = 1$$



$$f(x) = a x + \arctan\left(\frac{x^2}{x^2 + a}\right)$$

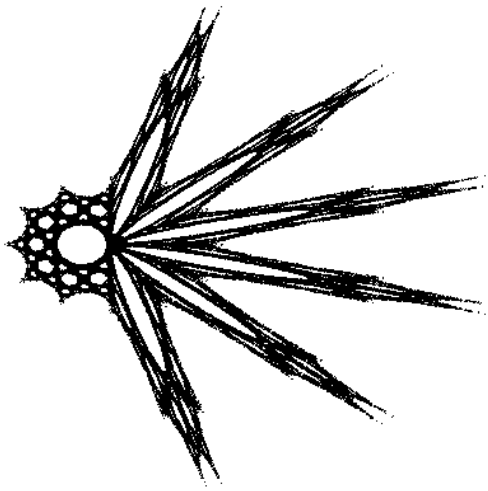
Nombre de points = 100000

$$x_0 = 4.45986927$$

$$y_0 = -6.73182394$$

$$a = -.5466592811$$

$$b = 0.9735047523$$



$$f(x) = \left| a x - \frac{x^2 - a}{x^2 + 1} \right|$$

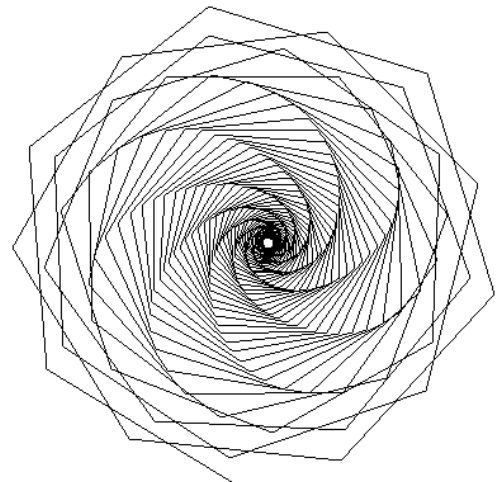
Nombre de points = 100000

$$x_0 = -11.87287808$$

$$y_0 = -.49381805$$

$$a = 0.867682891$$

$$b = 1$$



----- Points reliés -----

$$f(x) = a x + \arctan(a x^2 + 1)$$

Nombre de points = 400

$$x_0 = 16.52340516$$

$$y_0 = -4.44342522$$

$$a = 0.413200612$$

$$b = 0.9812928861$$