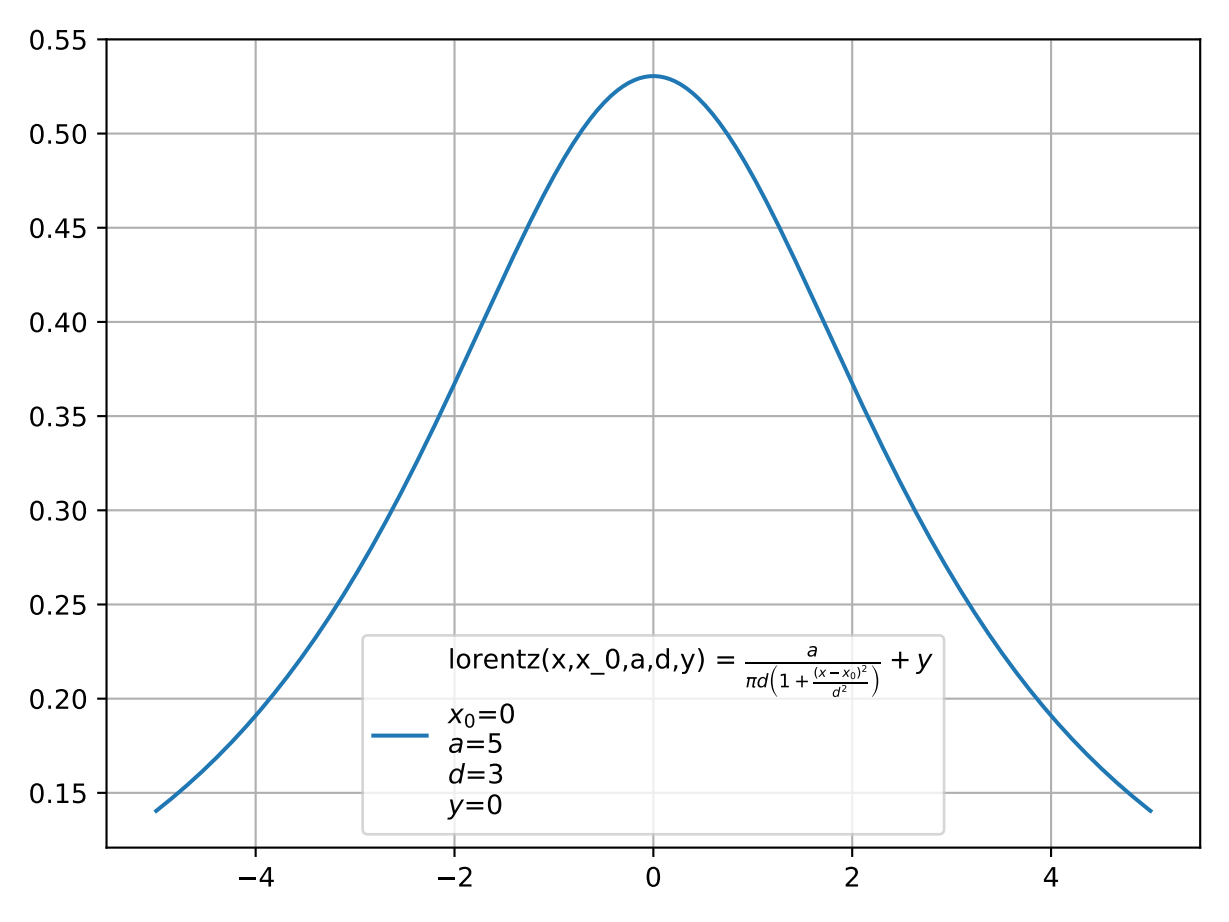
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
−4
−2
0
2
4
lorentz(x,x_0,a,d,y) = $\frac{a}{\pi d\left(1+\frac{(x-x_0)^2}{d^2}\right)}+y$
x_0=0
a=5
d=3
y=0