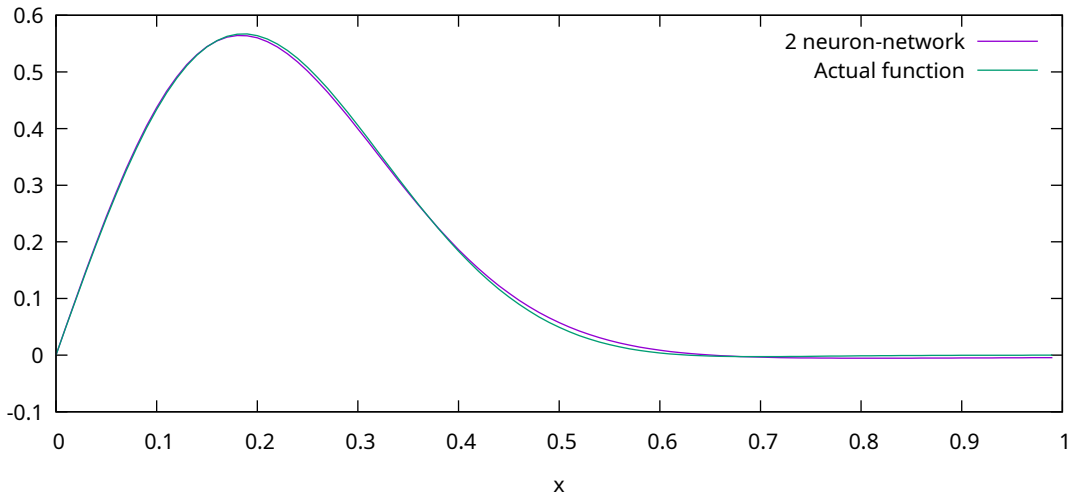Neural network interpolation of $\sin(5x)\exp(-10x^2)$

Neural network interpolation of sin(5x)+cos(y)