Grafiks

Viktors Djakonovs

April 2019

Originals grafiks
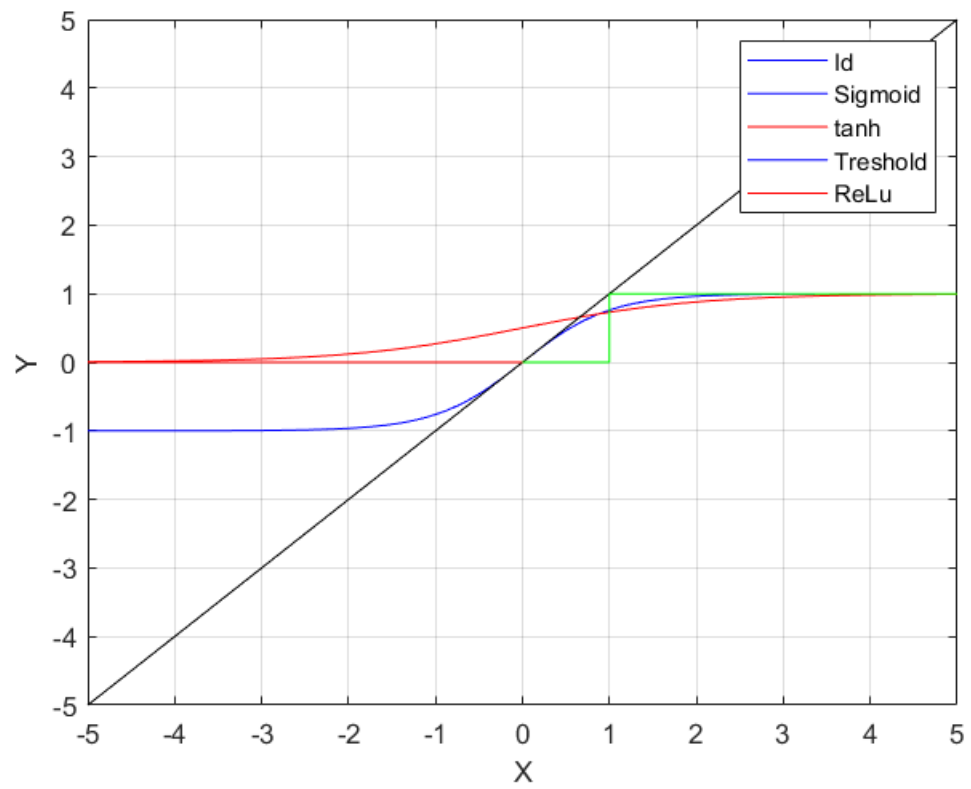

Figure 2: Activation functions
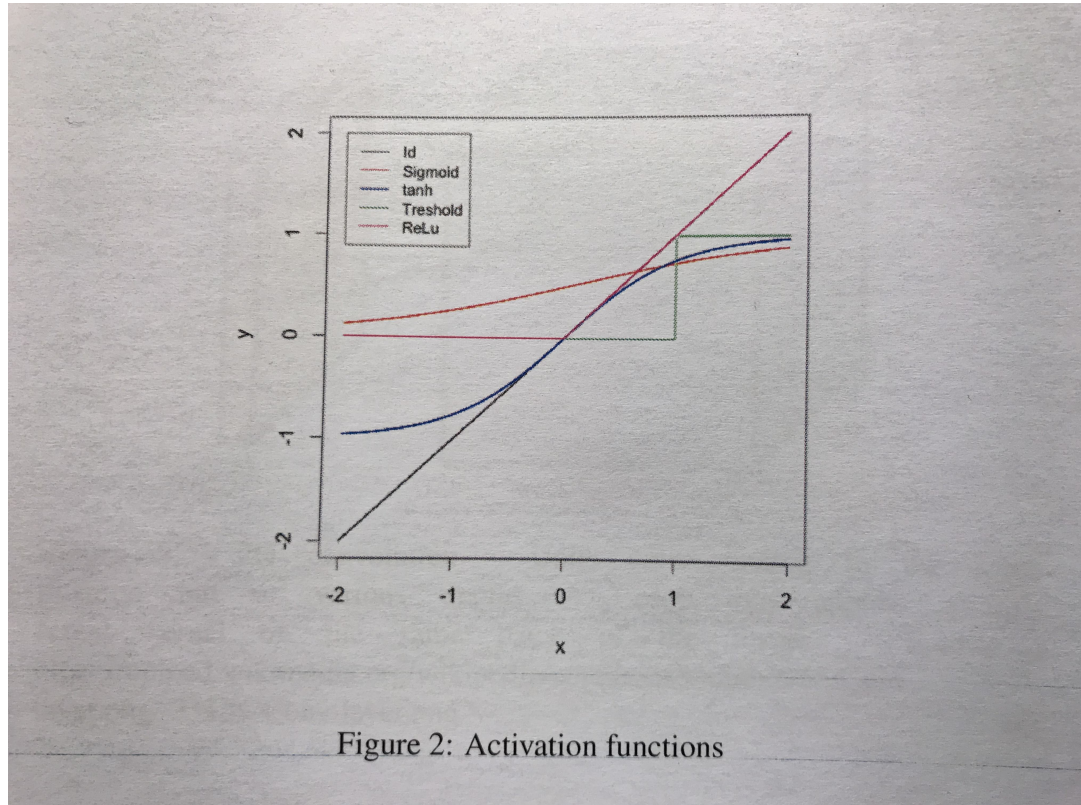
Mans grafiks

Figure2: Activation function

Matlaba kods

```
syms x
x1 = (exp(2*x)-1)/(exp(2*x)+1);
x2 = 1/(1+exp(-x));
x3 = x;
q = [-5 -4 -3 -2 -1 0];
e = [0 0 0 0 0 0];
a = [0 1 1 5];
d = [0 0 1 1];
fplot(x,x1,'b')
fplot(x,x2,'r')
fplot(x,x3,'k')
plot(q,e,'r')
plot(a,d,'g')
xlabel('X')
ylabel('Y')
legend('Id', 'Sigmoid', 'tanh', 'Treshold', 'ReLu')
grid on
hold on
```

Darba kods

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{incgraph,tikz}
\usepackage{graphicx}

\title{Grafiks}
\author{Viktors Djakonovs}
\date{April 2019}

\begin{document}
\maketitle
\pagebreak

\section*{Originals grafiks}
\includegraphics[scale=0.1]{IMG_1206.jpg}
\pagebreak

\section*{Mans grafiks}
\includegraphics[scale=0.8]{grafik.png}
\begin{center} Figure2: Activation function \end{center}
\pagebreak

\section*{Matlaba kods}
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```