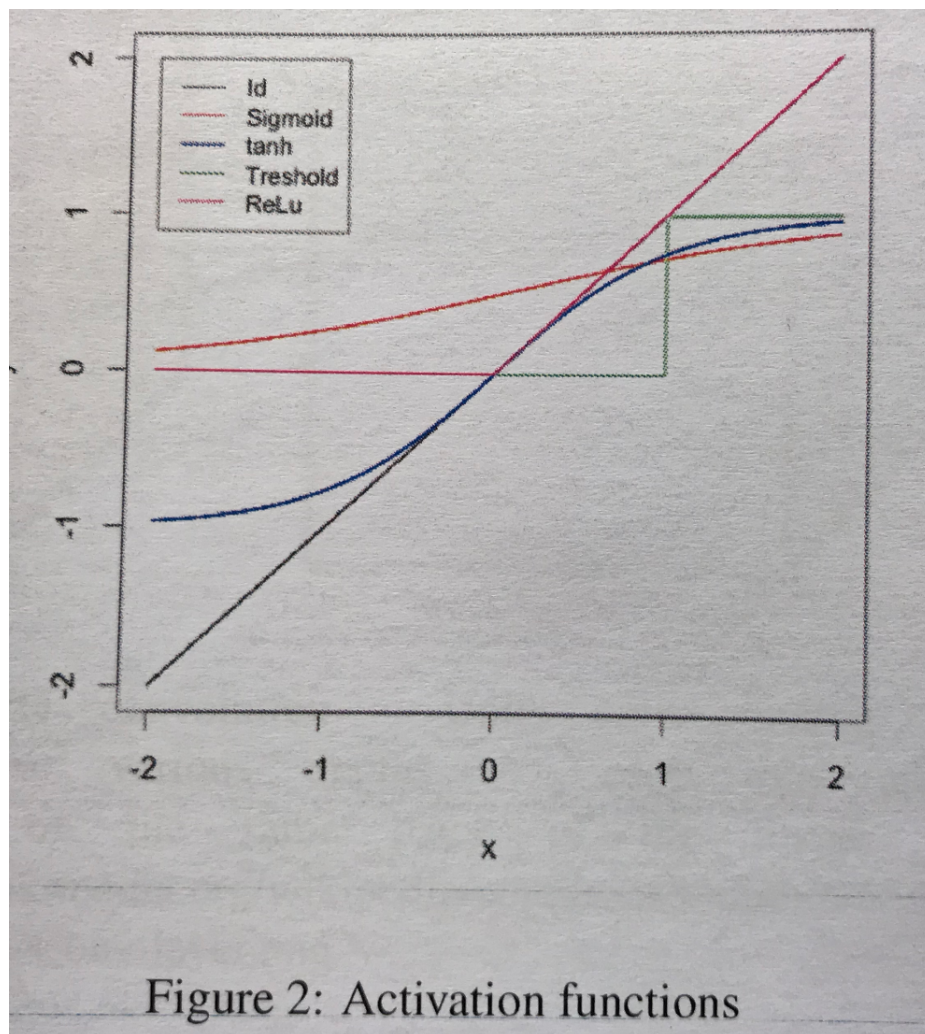


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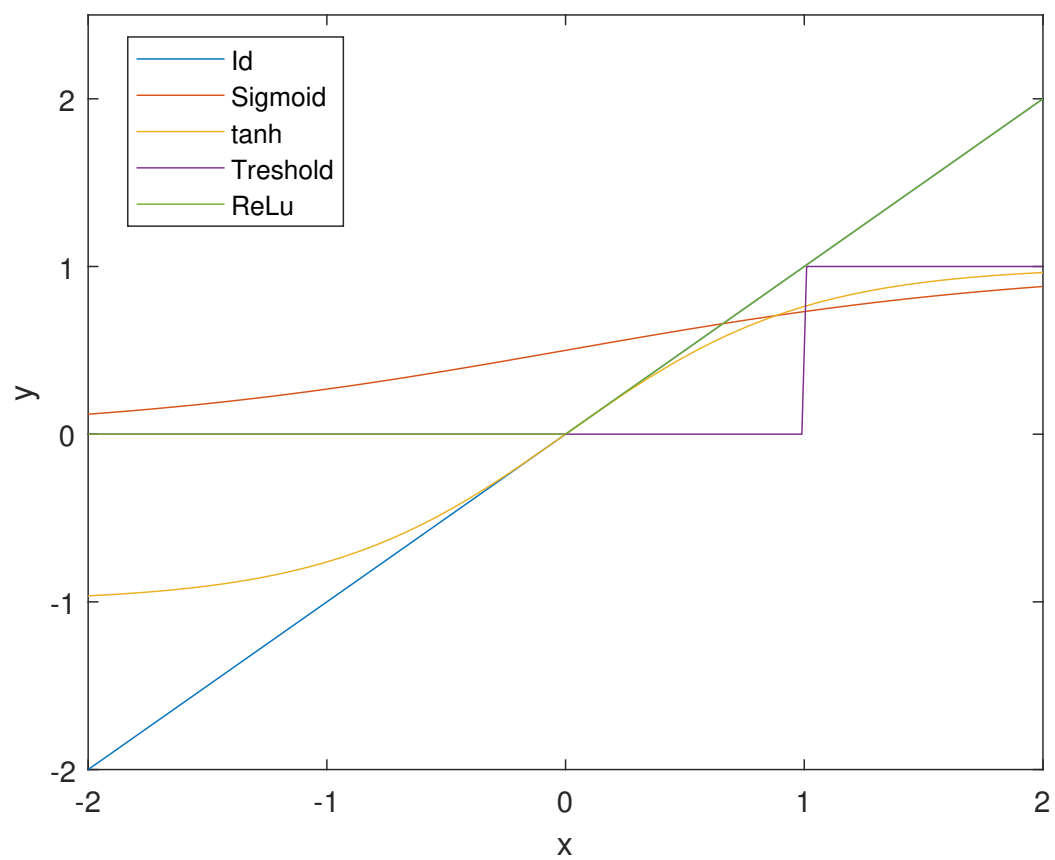
Reinis Lācis

April 2019

- Grafiks, kas bija jāizveido



- Manis izveidotais grafiks



- Kods, ar kuru tika izveidots grafiks matlab programmā

```
x=-2:0.01:2;
y1=x; %Id

y2=1./(1+exp(-x)) %Sigmoid

y3=(exp(x)-exp(-x))./(exp(x)+exp(-x)) %tanh

y4=heaviside(x-1) %Treshold

y5=poslin(x) %ReLu

plot(x,y1,x,y2,x,y3,x,y4,x,y5)
axis([-2, 2, -2, 2.5])

xlabel('x')
ylabel('y')

h=legend("Id", "Sigmoid","tanh","Treshold","ReLu")
legend({"Id", "Sigmoid","tanh","Treshold","ReLu"},'Position',[0.2 0.7 0.1 0.2])

xticks([-2 -1 0 1 2])

yticks([-2 -1 0 1 2])
```

- Kods, ar kuru tika izveidots latex dokuments

```

\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{graphicx}

\title{1819-108-W10-01-HW}
\author{Reinis Lācis}
\date{April 2019}

\begin{document}

\maketitle

\begin{itemize}
    \item Grafiks, kas bija jāizveido
\end{itemize}

\includegraphics[scale=0.7]{mdgrafiks.png}

\newpage
\begin{itemize}
    \item Manis izveidotais grafiks
\end{itemize}

\includegraphics[scale=1.1]{grafiks.eps}

\newpage

\begin{itemize}
    \item Kods, ar kuru tika izveidots grafiks matlab programmā
\end{itemize}

\begin{verbatim}
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legend({"Id", "Sigmoid","tanh","Treshold","ReLu"},'Position',[0.2 0.7 0.1 0.2])

xticks([-2 -1 0 1 2])

yticks([-2 -1 0 1 2])
```