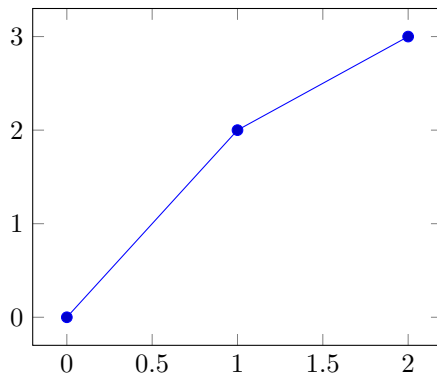# LaTeX pgfplots EXAMPLES

Jeff DeCola

This will draw a coordinate system,

```
\begin{tikzpicture}
    \begin{axis}
        \addplot+[sharp plot] coordinates
        {(0,0) (1,2) (2,3)};
    \end{axis}
\end{tikzpicture}
```


This will draw a coordinate system with line,

```
\begin{tikzpicture}
\begin{axis}[
  axis lines=middle,
  axis line style={Stealth-Stealth,very thick},
  xmin=-5.5,xmax=5.5,ymin=-5.5,ymax=5.5,
  xtick distance=1,
  ytick distance=1,
  xlabel=$x$,
  ylabel=$y$,
  title={Jeff's Plot},
  grid=major,
  grid style={thin,densely dotted,black!20}]
\addplot [Latex-Latex,domain=-5:3,samples=2] {x*2/3} node[right]{$a$};
\end{axis}
\end{tikzpicture}
```

Jeff's Plot