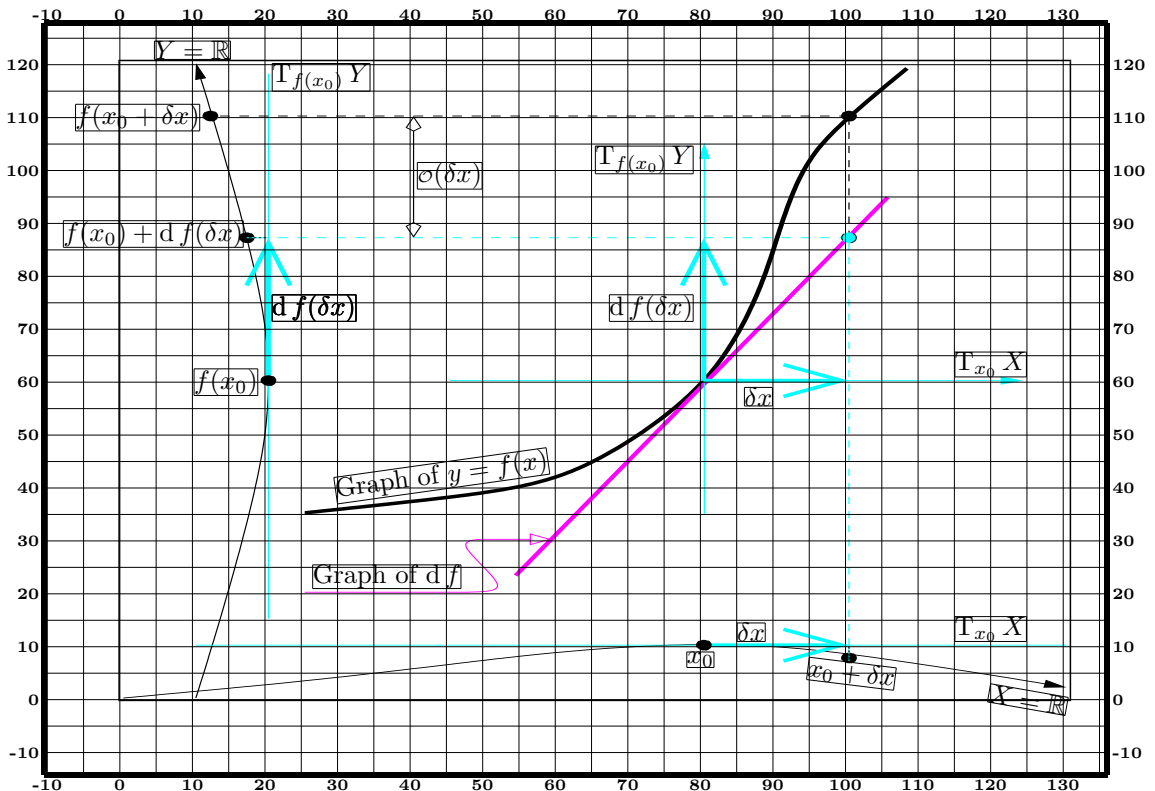


Provided the file differential.eps or differential.pdf contain the graphics one can include it in the document, drawing a grid and putting LaTeX on top of it.

```

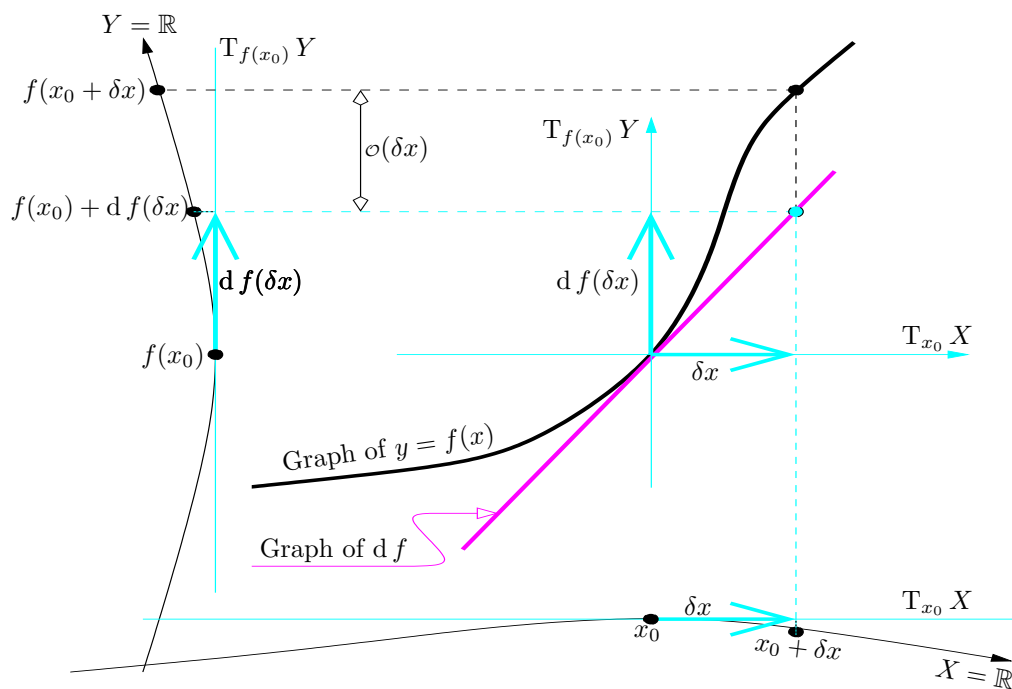
\begin{pic}[l(10mm),r(5mm),t(5mm),b(10mm),draft]{differential(0.96,0.7)}
  \lbl[t]{80,9;$x_0$}
  \lbl[b]{87,11;$\delta x$}
  \lbl[t]{101,7,-7;$x_0+\delta x$}
  \lbl[b]{120,11;$T_{x_0}X$}
  \lbl[t]{88,59;$\delta x$}
  \lbl[b]{120,61;$T_{x_0}X$}
  \lbl[t1]{120,3,-10;$X=\mathbb{R}$}
  \lbl[r]{79,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{79,102;$T_{f(x_0)}Y$}
  \lbl[lb]{21,115;$T_{f(x_0)}Y$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{17,88;$f(x_0)+d f(\delta x)$}
  \lbl[r]{19,60;$f(x_0)$}
  \lbl[r]{11,110;$f(x_0+\delta x)$}
  \lbl[l]{41,99;$\circ(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[b]{10,121;$Y=\mathbb{R}$}
  \lbl[br]{47,21;Graph of $d f$}
  \lbl[b1]{30,37,8;Graph of $y=f(x)$}
\end{pic}

```



When all label on the picture are adjusted one can get a “clean” picture by either removing `draft` option or adding `clean`.

```
\begin{lpic}[l(10mm),r(5mm),t(5mm),b(10mm),draft,clean]{differential(0.96,0.7)}
  \lbl[t]{80,9;$x_0$}
  \lbl[b]{87,11;$\delta x$}
  \lbl[t]{101,7,-7;$x_0+\delta x$}
  \lbl[b]{120,11;$T_{x_0}X$}
  \lbl[t]{88,59;$\delta x$}
  \lbl[b]{120,61;$T_{x_0}X$}
  \lbl[t1]{120,3,-10;$X=\mathbb{R}$}
  \lbl[r]{79,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{79,102;$T_{f(x_0)}Y$}
  \lbl[lb]{21,115;$T_{f(x_0)}Y$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{17,88;$f(x_0)+d f(\delta x)$}
  \lbl[r]{19,60;$f(x_0)$}
  \lbl[r]{11,110;$f(x_0+\delta x)$}
  \lbl[l]{41,99;$\circ(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[b]{10,121;$Y=\mathbb{R}$}
  \lbl[br]{47,21;Graph of $d f$}
  \lbl[bl]{30,37,8;Graph of $y=f(x)$}
\end{lpic}
```



If picture is rescaled, labels hopefully still stay at the right places.

```

\begin{lpic}[l(10mm),r(5mm),t(5mm),b(10mm),draft,clean]{differential(10cm,6cm)}
  \lbl[t]{80,9;$x_0$}
  \lbl[b]{87,11;$\delta x$}
  \lbl[t]{101,7,-7;$x_0+\delta x$}
  \lbl[b]{120,11;$T_{x_0}X$}
  \lbl[t]{88,59;$\delta x$}
  \lbl[b]{120,61;$T_{x_0}Y$}
  \lbl[t1]{120,3,-10;$X=\mathbb{R}$}
  \lbl[r]{79,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{79,102;$T_{f(x_0)}Y$}
  \lbl[lb]{21,115;$T_{f(x_0)}Y$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[r]{17,88;$f(x_0)+d f(\delta x)$}
  \lbl[r]{19,60;$f(x_0)$}
  \lbl[r]{11,110;$f(x_0+\delta x)$}
  \lbl[l]{41,99;$\circ(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[l]{21,74;$d f(\delta x)$}
  \lbl[b]{10,121;$Y=\mathbb{R}$}
  \lbl[br]{47,21;Graph of $d f$}
  \lbl[bl]{30,37,8;Graph of $y=f(x)$}
\end{lpic}

```

