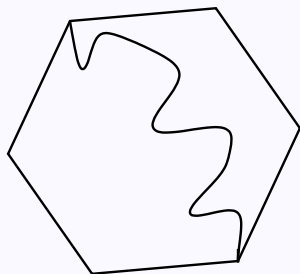


- **xfig** je volně dostupný (tzv. freeware) program pro UNIX/Xwindows. Lze v něm nakreslit obrázek, který bude importován ve formátu EPS. Manuál: <http://www.xfig.org/userman/>.
- **xv** lze použít nejen pro konverzi obrázků z jednoho grafického formátu do jiného, ale i k úpravě velikosti, barev apod. Více informací včetně manuálu: <http://www.trilon.com/xv/downloads.html>
- **Metagraf**  
<http://w3.mecanica.upm.es/metapost/metagraf.php>
- Metafont, Metapost, XYpix, MFpic, PSTricks...



```
%!PS-Adobe-2.0 EPSF-2.0
%%Title: sest.eps
%%Creator: fig2dev Version 3.2
%%CreationDate: Sat Aug 31 20:17:51 2002
%%Orientation: Portrait
%%BoundingBox: 0 0 114 103
%%Pages: 0
%%BeginSetup
%%EndSetup
%%Magnification: 1.0000
%%EndComments
```

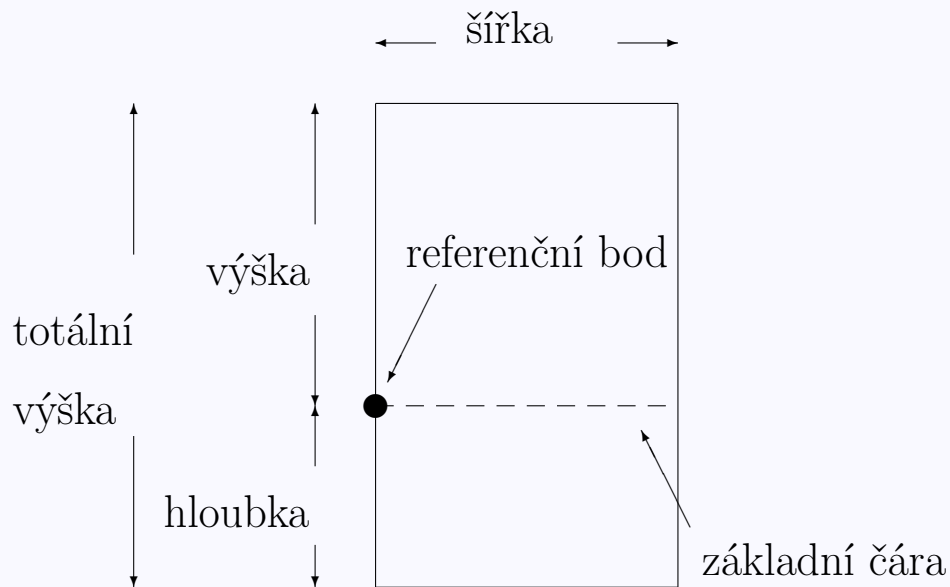
Čtyři čísla specifikující BoundingBox udávají souřadnice levého dolního a pravého horního rohu. V našem případě má levý dolní roh souřadnice (0,0) a pravý horní roh (114,103), tj. obrázek je 114 bp široký a 103 bp vysoký.

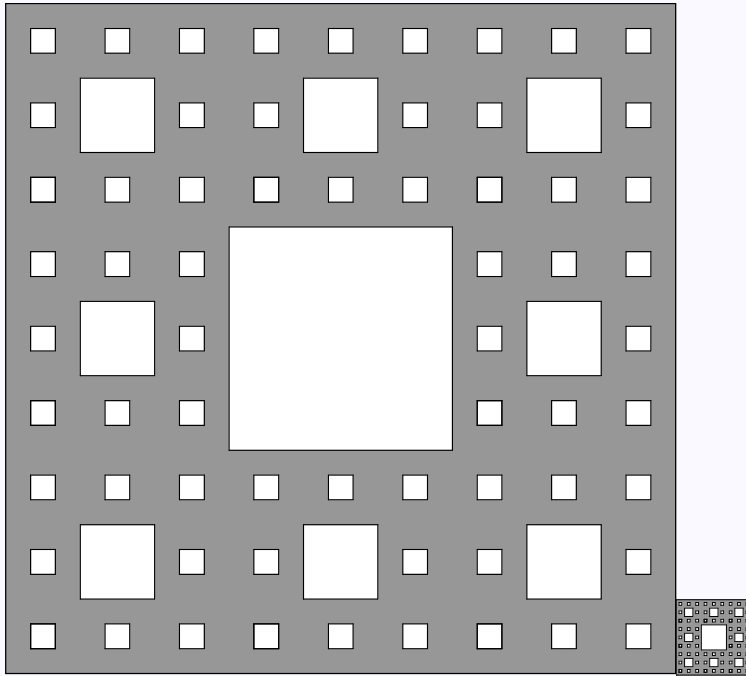
```
\usepackage{graphicx}
```

```
\includegraphics{anti.pdf}
```



# Jednoduchý *box* v L<sup>A</sup>T<sub>E</sub>Xu

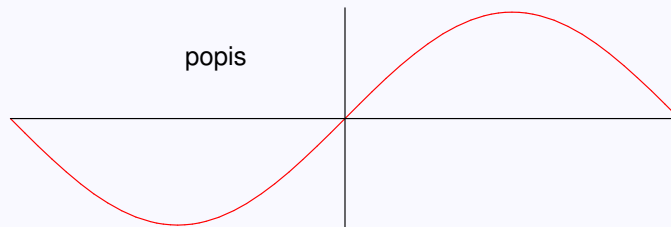




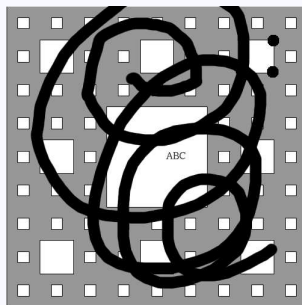
```
\includegraphics [width=0.5\textwidth] {koberec.pdf}%  
\includegraphics [height=1cm] {koberec.pdf}
```

## Popisy obrázků – balík PSfrag

```
\psfrag{návěsti}[posun][psposun][měřítko][rotace]{objekt}
```



```
\begin{center}  
\psfrag{popis}{ $\sin x$ }  
\includegraphics[width=.5\textwidth]{sin.pdf}  
\end{center}
```



Ukázka použití Gimpu:



```
\noindent\includegraphics{a.pdf}%  
\hfill\includegraphics{a.pdf}
```



```
\noindent\hfill\includegraphics{a.pdf}%  
\hfill\includegraphics{a.pdf}\hspace*{\fill}
```

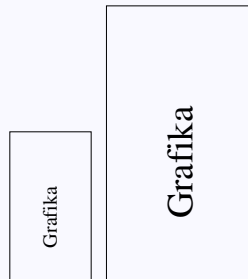


```
\begin{center}  
\begin{minipage}[b]{.5\textwidth}  
\centering  
\includegraphics[width=\textwidth]{anti.pdf}  
\end{minipage}%  
\hfill\begin{minipage}[b]{.5\textwidth}  
\centering  
\includegraphics[width=\textwidth]{anti.pdf}  
\end{minipage}  
\end{center}
```





Grafika



```
\begin{center}  
\includegraphics[angle=90,totalheight=2cm]{box.pdf}  
\includegraphics[totalheight=2cm,angle=90]{box.pdf}  
\end{center}
```

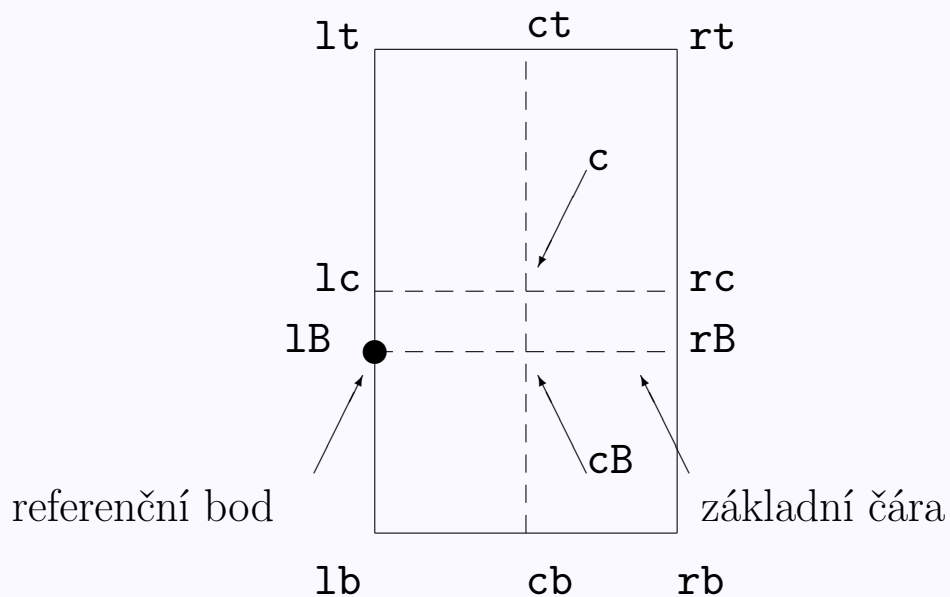


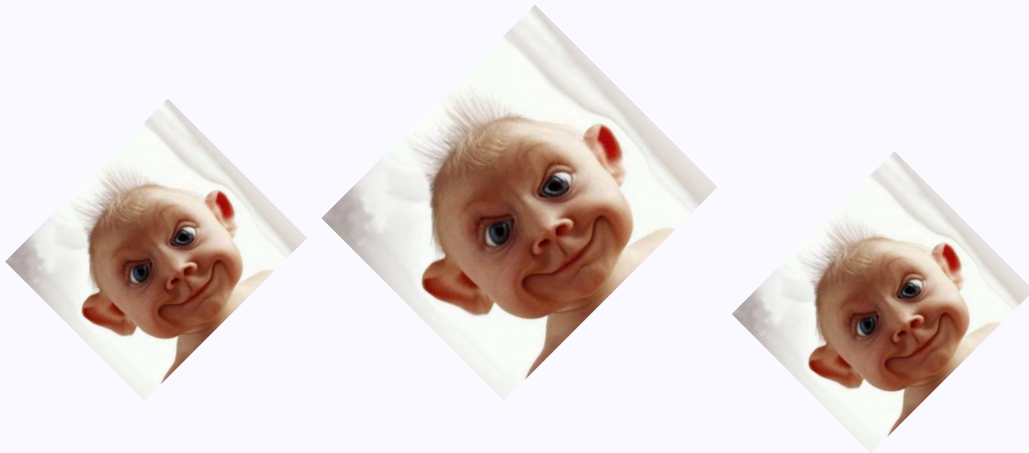
```
\begin{center}  
\includegraphics [width=2cm] {box.pdf}  
\hspace{1in}  
\includegraphics [width=2cm, angle=-90] {box.pdf}  
\end{center}
```



```
\begin{center}  
\includegraphics [width=2cm] {box.pdf}  
\hspace{1in}  
\includegraphics [width=2cm, origin=br, angle=-90] {box.pdf}  
\end{center}
```

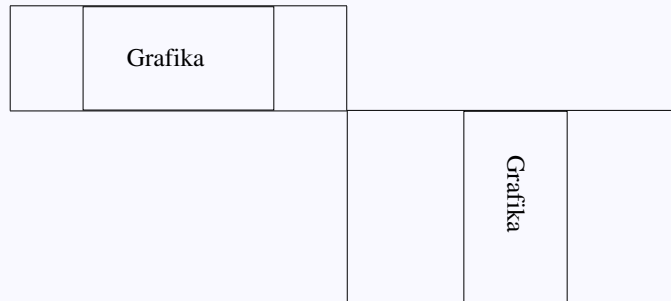
## Možnosti volby středu otáčení





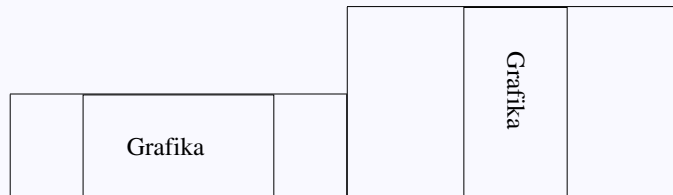
```
\includegraphics[angle=45,width=4cm]{anti.pdf}  
\includegraphics[width=4cm,angle=45]{anti.pdf}  
\includegraphics[angle=45,origin=c,width=4cm]{anti.pdf}
```

Šířka boxu je jeden inch.



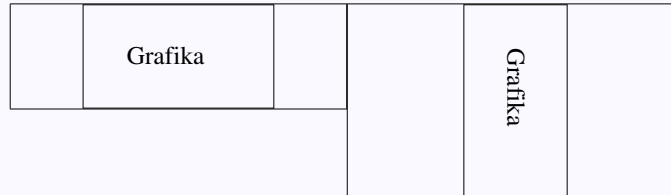
```
\begin{center}  
\fbox{\begin{minipage}[b]{.25\textwidth}  
\centering  
\includegraphics[width=1in]{box.pdf} \end{minipage}}%  
\fbox{\begin{minipage}[t]{.25\textwidth} \centering  
\includegraphics[width=1in,angle=-90]{box.pdf}  
\end{minipage}}  
\end{center}
```

## Srovnání „spodků“ prostředí minipage



```
\begin{center}  
\fbbox{\begin{minipage}[b]{.25\textwidth}  
\centering  
\includegraphics[width=1in]{box.pdf}  
\par\vspace{0pt}  
\end{minipage}}%  
\fbbox{\begin{minipage}[b]{.25\textwidth} \centering  
\includegraphics[width=1in,angle=-90]{box.pdf}  
\par\vspace{0pt}  
\end{minipage}}  
\end{center}
```

## Srovnání „vršků“ prostředí minipage



```
\begin{center}
\fbbox{\begin{minipage}[t]{.25\textwidth}
\vspace{0pt}
\centering
\includegraphics[width=1in]{box.pdf}
\end{minipage}}%
\fbbox{\begin{minipage}[t]{.25\textwidth}
\vspace{0pt}
\centering
\includegraphics[width=1in,angle=-90]{box.pdf}
\end{minipage}}
\end{center}
```