



```

%\usepackage{pstricks,pst-plot}

\psset{xunit=0.01cm,linewidth=0.5pt,plotpoints=200,plotstyle=curve}
\begin{pspicture}(-5,-2.5)(5,6)
  \pscustom[linestyle=none,fillstyle=solid,fillcolor=red!30]{%
    \psplot{0}{45}{x sin}
    \psplot{45}{0}{x cos} }
  \pscustom[linestyle=none,fillstyle=solid,fillcolor=green!30]{%
    \psplot{45}{225}{x sin}
    \psplot{225}{45}{x cos} }
  \pscustom[linestyle=none,fillstyle=solid,fillcolor=blue!30]{%
    \psplot{225}{360}{x sin}
    \psplot[liftpen=1]{360}{225}{x cos} }
  \psplot{0}{360}{x sin}
  \psplot{0}{360}{x cos}
  \psaxes[ticks=none,labels=none]{->}(0,0)(0,-1)(380,1.5)
  \psline[linecolor=blue](45,-1.5)(45,1.2)
  \psline[linecolor=blue](225,-1.5)(225,1.2)
  \psline[linecolor=blue](360,-1.5)(360,1.2)
\end{pspicture}

```