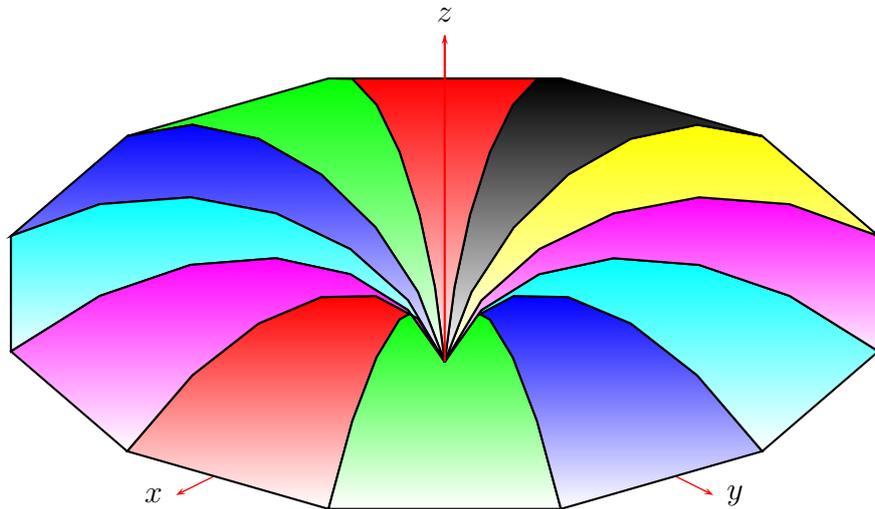


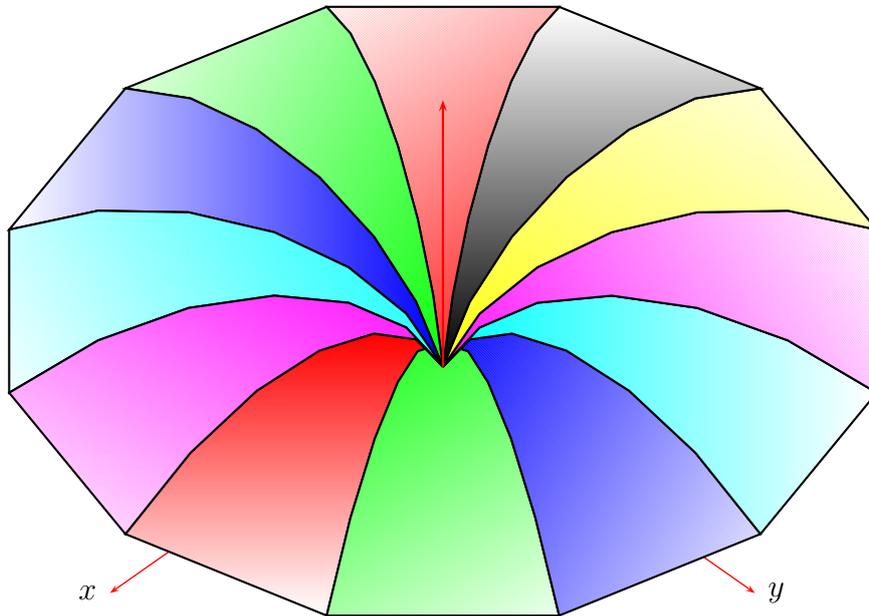
This demo file uses the `\pst@mod` macro from `pstricks-add`, which is available at <http://www.perce.de/LaTeX/pstricks-add>. If you install this package then delete the macro in the preamble of this document.



```

1 \begin{pspicture}(-6,-2.25)(6,5)
2   \pstThreeDCoord[xMin=-3,xMax=5,yMin=-1,yMax=5,zMin=-1,zMax=5,drawCoord=
3     false]
4   \multido{\iA=0+30,\iB=30+30,\iC=1+1}{12}{%
5     \modulo{\iC}{7}{\iCTemp}
6     \ifcase\iCTemp\psset{fillcolor=black,gradend=black}
7     \or\psset{fillcolor=red,gradend=red}
8     \or\psset{fillcolor=green,gradend=green}
9     \or\psset{fillcolor=blue,gradend=blue}
10    \or\psset{fillcolor=cyan,gradend=cyan}
11    \or\psset{fillcolor=magenta,gradend=magenta}
12    \or\psset{fillcolor=yellow,gradend=yellow}
13    \fi
14    \pstThreeDLine[SphericalCoord=true,%
15      % fillstyle=solid,linestyle=none]%
16      fillstyle=gradient,gradbegin=white,gradmidpoint=0]%
17      (0,0,0)(1,\iA,60)(2,\iA,50)(3,\iA,40)(4,\iA,30)(5,\iA,20)(6,\iA
18        ,10)%
19      (6,\iB,10)(5,\iB,20)(4,\iB,30)(3,\iB,40)(2,\iB,50)(1,\iB,60)
20      (0,0,0)
21  }
22  \pstThreeDLine[linecolor=red](0,0,0)(0,0,5)
23 \end{pspicture}

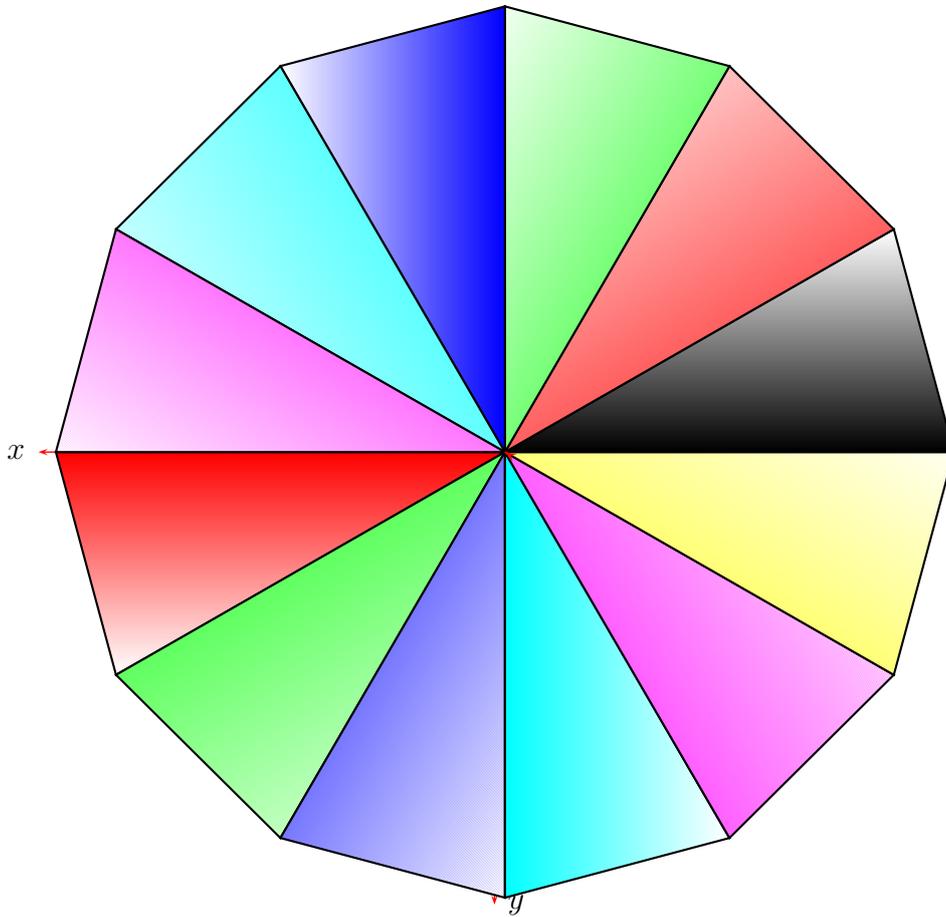
```



```

1 \begin{pspicture}(-6,-4)(6,5)
2   \psset{Beta=45}
3   \pstThreeDCoor[xMin=-3,xMax=6,yMin=-1,yMax=6,zMin=-1,zMax=5,drawCoor=
4     false]
5   \multido{\iA=0+30,\iB=30+30,\iC=1+1}{12}{%
6     \modulo{\iC}{7}{\iCTemp}
7     \ifcase\iCTemp\psset{fillcolor=black,gradend=black}
8     \or\psset{fillcolor=red,gradend=red}
9     \or\psset{fillcolor=green,gradend=green}
10    \or\psset{fillcolor=blue,gradend=blue}
11    \or\psset{fillcolor=cyan,gradend=cyan}
12    \or\psset{fillcolor=magenta,gradend=magenta}
13    \or\psset{fillcolor=yellow,gradend=yellow}
14    \fi
15    \pstThreeDLine[SphericalCoor=true,%
16      fillstyle=solid,linestyle=none]%
17      fillstyle=gradient,gradbegin=white,gradmidpoint=0,gradangle=\iA]%
18      (0,0,0)(1,\iA,60)(2,\iA,50)(3,\iA,40)(4,\iA,30)(5,\iA,20)(6,\iA
19        ,10)%
20      (6,\iB,10)(5,\iB,20)(4,\iB,30)(3,\iB,40)(2,\iB,50)(1,\iB,60)
21      (0,0,0)
22  }
23  \pstThreeDLine[linecolor=red]{->}(0,0,0)(0,0,5)
24 \end{pspicture}

```



```

1 \begin{pspicture}(-6.5,-6)(6,6.25)
2   \psset{Alpha=0,Beta=90}%
3   \pstThreeDCoor[xMin=-3,xMax=6,yMin=-1,yMax=6,zMin=-1,zMax=5,drawCoor=
4     false]%
5   \multido{\iA=0+30,\iB=30+30,\iC=1+1}{12}{%
6     \modulo{\iC}{7}{\iCTemp}%
7     \ifcase\iCTemp\psset{fillcolor=black,gradend=black}%
8     \or\psset{fillcolor=red,gradend=red}%
9     \or\psset{fillcolor=green,gradend=green}%
10    \or\psset{fillcolor=blue,gradend=blue}%
11    \or\psset{fillcolor=cyan,gradend=cyan}%
12    \or\psset{fillcolor=magenta,gradend=magenta}%
13    \or\psset{fillcolor=yellow,gradend=yellow}%
14    \fi%
15    \pstThreeDLine[SphericalCoor=true,%
16      fillstyle=gradient,gradbegin=white,gradmidpoint=0,gradangle=\iA]%
17      (0,0,0)(1,\iA,60)(2,\iA,50)(3,\iA,40)(4,\iA,30)(5,\iA,20)(6,\iA
18        ,10)%
19      (6,\iB,10)(5,\iB,20)(4,\iB,30)(3,\iB,40)(2,\iB,50)(1,\iB,60)
20      (0,0,0)%
21    }%
22    \pstThreeDLine[linecolor=red]{->}(0,0,0)(0,0,5)%
23  \end{pspicture}

```