



```
\documentclass{article}
\usepackage[a4paper,margin=1cm,landscape]{geometry}
\usepackage{pst-plot}
\usepackage{pst-xkey}
\usepackage{fancyvrb}
\pagestyle{empty}
\makeatletter
\define@key{psset}{}{V}{\def\psk@interferences@V{#1}}
\define@key{psset}{}{f}{\def\psk@interferences@F{#1}}
\define@key{psset}{}{date}{\def\psk@interferences@date{#1}}
\define@key{psset}{}{pixel}{\def\psk@interferences@pixel{#1}}
\define@key{psset}{}{XS1}{\def\psk@interferences@SourceA{#1}}
\define@key{psset}{}{XS2}{\def\psk@interferences@SourceB{#1}}
\define@key{psset}{}{phase1}{\def\psk@interferences@phaseA{#1}}
\define@key{psset}{}{phase2}{\def\psk@interferences@phaseB{#1}}
\define@key{psset}{}{aS1}{\def\psk@interferences@aA{#1}}
\define@key{psset}{}{aS2}{\def\psk@interferences@aB{#1}}
\define@key{psset}{}{xlimite}{\def\psk@interferences@xlimite{#1}}
\define@key{psset}{}{ylimite}{\def\psk@interferences@ylimite{#1}}
\define@key{psset}{}{amortissement}{\def\psk@interferences@amortissement{#1}}
```

```

%
\psset{V=0.20,f=20,date=0.20,pixel=1,XS1=-2,XS2=2,
      phase1=0,phase2=0,xlimite=5,ylimite=5,amortissement=2,
      aS1=1,aS2=1}

%
\def\PSTinterferences{\pst@object{PSTinterferences}}
\def\PSTinterferences@i{\@ifnextchar[{\PSTinterferences@do}{\PSTinterferences@do[]}}
\def\PSTinterferences@do[#1]{%
  \pst@killglue
  \psset{#1}%
  \begin@OpenObj
  \addto@pscode{
    0 0 translate
    /frequency \psk@interferences@F\space def
    /celerity \psk@interferences@V\space def
    /pixel \psk@interferences@pixel\space def
    /date \psk@interferences@date\space def
    /xS1 \psk@interferences@SourceA\space 100 div def % en m
    /xS2 \psk@interferences@SourceB\space 100 div def % en m
    /phase1 \psk@interferences@phaseA\space def % en degres
    /phase2 \psk@interferences@phaseB\space def % en degres
    /CoeffAmplitude1 \psk@interferences@aA\space def % entre 0 et 1
    /CoeffAmplitude2 \psk@interferences@aB\space def % entre 0 et 1
    /AmplitudeMax 0.5 pixel 2845 div sqrt mul def
    /xLimite \psk@interferences@xlimite\space 28.45 mul def % en cm
    /yLimite \psk@interferences@ylimite\space 28.45 mul def % en cm
    /BETA \psk@interferences@amortissement\space def % amortissement
    xLimite neg pixel xLimite { % balayage abscisses
      /abscissept exch def % en points
      /abscisse abscissept 2845 div def % en metres
      yLimite neg pixel yLimite { % balayage ordonnées
        /ordonnept exch def % en points
        /ordonnee ordonnept 2845 div def % en metres
        /d1 abscisse xS1 sub dup mul
        ordonnee dup mul add sqrt def
        /d2 abscisse xS2 sub dup mul
        ordonnee dup mul add sqrt def
        /yS1 360 frequency mul date d1 celerity div sub mul phase1 add sin
        0.5 mul CoeffAmplitude1 mul def
        /yS2 360 frequency mul date d2 celerity div sub mul phase2 add sin
        0.5 mul CoeffAmplitude2 mul def
        /yR yS1 yS2 add def
        % yR abs setgray
        yR 1 add 2 div setgray
        newpath
      }
    }
  }
}

```



```

                                abscissept ordonnept pixel 0 360 arc closepath fill stroke
                                } for
                                } for
                                }%
                                \end@OpenObj
}}
\makeatother

\begin{document}
\begin{center}
\begin{pspicture}(-5,-5)(5,5)
    \PSTinterferences[pixel=0.5,date=0.21,V=0.234,f=18,xlimite=8,XS1=-4,XS2=4]%
    %\psgrid[gridlabelcolor=red](0,0)(-8,-5)(8,5)
\end{pspicture}
\qqquad
\begin{pspicture}(-5,-5)(5,5)
    \PSTinterferences[pixel=0.5,date=0.21,V=0.234,f=18,xlimite=8,XS1=-4,XS2=4,aS1=0]%
    %\psgrid[gridlabelcolor=red](0,0)(-8,-5)(8,5)
\end{pspicture}
\end{center}

\VerbatimInput{\jobname.tex}

\end{document}

\documentclass{article}
\usepackage{pst-eucl}

\begin{document}

\psset{unit=0.75}
\begin{pspicture}[showgrid](-5,-5)(13,10)
\pstTriangle[fillstyle=solid,fillcolor=red!60,opacity=0.3](0,0){A}(6,0){B}(2,4){C}
\pstCircleABC[PosAngle=60]{A}{B}{C}{O}
\pstBissectBAC[linestyle=none]{B}{A}{C}{A'}
\pcline[linestyle=dotted,nodesepB=-5cm](A)(A')
\pcline[linestyle=dashed,nodesepB=-5cm](A)(B)
\pcline[linestyle=dashed,nodesepB=-5cm](A)(C)
\pstOutBissectBAC[PointSymbol=none,PointName=none,linestyle=none]{C}{B}{A}{CBA}
\pstOutBissectBAC[PointSymbol=none,PointName=none,linestyle=none]{A}{C}{B}{ACB}
\pstInterLL{B}{CBA}{C}{ACB}{M1}
\pstProjection[PointName=I_1]{A}{B}{M1}[Mab]
\pstCircleOA[linecolor=red!60]{M1}{Mab}
\pstCircleOA[linecolor=red!60,linestyle=dashed,Radius=\pstDistAB{M1}{Mab}]{A}{}

```

```

\pstInterCC[Radius=\pstDistAB{M1}{Mab}]{A}{M1}{P1}{P2}
\psdots(P1)(P2)
\pstBissectBAC[linestyle=none]{A}{B}{C}{B'}
\pstInterLL[PointName=none]{A}{A'}{B}{B'}{Mi}
\psRelNode[angle=90](Mi)(A'){1}{ABi}\psdot(ABi)
\pcline[linestyle=dotted,nodesepB=-3cm](ABi)(Mi)
\pstInterLL[PointName=none]{A}{B}{Mi}{ABi}{E}\psdot(E)
\pstProjection[PointName=none]{A}{B}{Mi}[D]\psdot(D)
\psRelNode[angle=90](E)(B){2}{E'}\psdot(E')
\pstInterLL[PointName=none]{A}{A'}{E}{E'}{X}\psdot(X)
\pstCircleOA[linecolor=blue,linewidth=1.5pt,
fillstyle=solid,fillcolor=blue!50,opacity=0.3]{X}{E}
\pcline[linestyle=dotted](Mi)(D)
\pcline[linestyle=dotted](X)(E)
\end{pspicture}

\end{document}

```

```

\documentclass{article}
\usepackage{libertinus}
%\unimathsetup{RawFeature=+ss01}
\begin{document}

```

```

\[\symcal{L}\]

```

```

\addfontfea
\[\symcal{L}\]
\[\symcal{L}\]
\[\symcal{L}\]
\[\symcal{L}\]
\[\symcal{L}\]

```

```

\end{document}

```

```

\documentclass{article}
%\documentclass[pstricks,border=4mm]{standalone}
\usepackage{pst-calculate,pst-intersect,multido,pstricks-add}
\def\f[#1]{(#1)*(#1-1)*(#1-2)*(#1-3)*(#1-5)/10+1.5}
\def\fDerivation#1#2{
/x #1 def /F (Derive(1,#2)) tx@AlgToPs begin AlgToPs end cvx def
x F /M exch def pop}

```

```

\begin{document}

\psset{unit=2}
\begin{pspicture}[showgrid](0,-2)(3,3)
  \psset{linewidth=0.2pt,dotscale=2}%
  \multido{\rA=0.2+0.2}{7}{%
    \pssavepath{A}{\psplot[algebraic]{0}{3}{Derive(1,\f[x])}}%
    \pssavepath{B}{\psplot[algebraic]{0}{3}{\fDerivation{0.8}{\f[x]}}}%
    \rA*M*(x-0.8)+\pscalculate{\f[0.8]}}%
  \psintersect[name=C,showpoints]{A}{B}%
  \pssavepath{A}{\psplot[algebraic]{0}{3}{\f[x]}}
  \pssavepath{B}{\psplot[algebraic]{0}{3}{\fDerivation{0.8}{\f[x]}}}%
  \rA*M*(x-0.8)+\pscalculate{\f[0.8]}}%
  \psintersect[name=D,showpoints]{A}{B}
}%
\psline[linestyle=dashed](0.8,\pscalculate{\f[0.8]})(0.8,-1)
\psset{linewidth=1.5pt}
  \psplot[algebraic,linecolor=blue]{0}{3}{\f[x]}
\psplot[algebraic]{0}{3}{Derive(1,\f[x])}
%   \psplot[linecolor=red,algebraic]{0}{2}{\fDerivation{0.8}{\f[x]}}%
%   M*(x-0.8)+\pscalculate{\f[0.8]}}
%   \psplot[linecolor=red,algebraic]{1}{3}{\fDerivation{2}{\f[x]}}%
%   M*(x-2)+\pscalculate{\f[2]}}
\end{pspicture}

\end{document}
f'(x0)*(x-x0)+f(x0) to \pstInterFF{\f[x]}{\g{.8}{x}}{4}{A}

```

```

\begin{pspicture}(-2,-3)(4,6.5)
\psset{unit=1.0cm,viewpoint=50 17 20 rtp2xyz,lightsrc=viewpoint,opacity=0.7,grid}
\axesIIIID[showOrigin=false,linewidth=1.5pt,arrowinset=0,arrows=->,arrowscale=1.5,labelsep=15pt](0,0,0)(5,5,5)
\defFunction[algebraic]{line}(t){3*cos(t)}{3*sin(t)}{0}
\psSolid[object=courbe,range=0 1.570796327,linewidth=1.5pt,linecolor=red,
function=line,r=0,action=draw]
\pstThreeDDot[Alpha=110,Beta=17,linecolor=red](3,0,0)
\end{pspicture}
\end{document}

```

enter image description here

```

\RequirePackage{filecontents}
\begin{filecontents*}{\jobname.bib}
@article{kirchgaessner:1985,
  author = "Gebhard Kirchgässner",
  title = "Zum Kausalzusammenhang zwischen Geldmenge und Sozialprodukt: Übersicht über neuere
Arbeiten und empirische Ergebnisse für die Bundesrepublik Deutschland, 1960{1979",
  journal = "European Journal of Political Economy, 1985, Vol.1(3), pp.399-456",
  volume = "1",
  number = "3",
  pages = "399",
  date = "1985",
}
@legislation{BGBa,
  author={BGB},
  shorthand = "§ 556 Abs. 2 BGB",
  title = "Völker- und Europarecht",
  publisher = "Deutscher Taschenbuchverlag",
  pages = "303--314",
  keywords = "norm",
}
\end{filecontents*}

\documentclass[ngerman]{scrartcl}
\listfiles

\usepackage{fontspec}
\usepackage{babel,csquotes}
\usepackage[style=authoryear]{biblatex}
\addbibresource{\jobname.bib}

\DeclareBibliographyDriver{legislation}{%
  \usebibmacro{bibindex}%
  \usebibmacro{begentry}%
  \usebibmacro{title}%
  \setunit{\addsemicolon\space}%
%   \printfield{note}%
  \usebibmacro{note+pages}%
%   \usebibmacro{pageref}%

```

```

\usebibmacro{publisher+location+date}%
\usebibmacro{finentry}}

%\renewcommand*{\mkbibnamelast}[1]{\textsc{#1}}

\newbibmacro*{cite:bib}{%
\iffieldundef{shorthand}
{\ifthenelse{\ifnameundef{labelname}\OR\iffieldundef{labelyear}}
{\usebibmacro{cite:label}}% folgende Zeile weggelassen
{\printnames{labelname}}%
\setunit{nameyeardelimiter}}%
\usebibmacro{cite:labelyear+extrayear}}
{\usebibmacro{cite:shorthand}}}

\renewbibmacro*{begentry}{%
\begingroup%
\defcounter{maxnames}{1}%
\usebibmacro{cite:bib}, %
\endgroup%
}%

\begin{document}
(\cite{BGBa}) \cite{kirchgaessner:1985}

Und wie sagte schon \textcite{kirchgaessner:1985} \ldots

\printbibliography[notkeyword=norm]

\printbibliography[title={Rechtsquellenverzeichnis},keyword=norm]
\end{document}

\documentclass[border=5mm,preview,varwidth]{standalone}
\usepackage{amsmath}
\usepackage[no-math]{fontspec}
\usepackage[math-style=ISO,bold-style=ISO,mathrm=sym]{unicode-math}
\setmathfont{CMU Bright}
\usepackage{luacode}

\begin{luacode}
fonts.handlers.otf.addfeature{
name = "dtls",
type = "substitution",
data = {

```

```

    [0x0069] = 0x0131, -- dotless i
    [0x006A] = 0x0237, -- dotless j
    [0x1D456] = 0x1D6A4, -- mathit dotless i
    [0x1D457] = 0x1D6A5, -- mathit dotless j
  }
}
fonts.handlers.otf.addfeature { -- Ligatures for mathrm
  name = "test",
  type = "ligature",
  data = {
    ["ff"] = {0xFB00,0xFB00}, --{"f","f"},
    [0xFB00] = {0x0066, 0x0066},
    [0x0066 0x0066] = 0xFB00, -- ff
    [{"0x1d453,0x1d453}] = 0xFB00,
    [0x0066, 0x0069] = 0xFB01, -- fi
    [0x0066, 0x006C] = 0xFB02, -- fl
    [0x0066, 0x0066, 0x0069] = 0xFB03, -- ffi
    [0x0066, 0x0066, 0x006C] = 0xFB04, -- ffl
  }
}
}

\end{luacode}

\iffalse
[[--

[[--
fonts.handlers.otf.addfeature { -- Upright Integrals
  name = "ss01",
  type = "substitution",
  data = {
    [0x222B] = 0x222B.up, -- \int
    [0x222C] = 0x222C.up, -- \iint
    [0x222D] = 0x222D.up, -- \iiint
    [0x222E] = 0x222E.up, -- \oint
    [0x222F] = 0x222F.up, -- \oiint
    [0x2230] = 0x2230.up, -- \oiiint
    [0x2A0C] = 0x2A0C.up, -- \iiiint
    [0x222B.display] = 0x222B.display.up,
    [0x222C.display] = 0x222C.display.up,
    [0x222D.display] = 0x222D.display.up,
    [0x222E.display] = 0x222E.display.up,
    [0x222F.display] = 0x222F.display.up,
    [0x2230.display] = 0x2230.display.up,
  }
}
]]
]]

```