

Cheat sheet for pst-optexp (v3.3)

labeloffset= $\langle num \rangle$
labelstyle= $\langle macros \rangle$
labelalign= $\langle refpoint \rangle$
labelangle= $\langle num \rangle$
labelref=relative, relgrav, global, absolute
label= $\langle offset \rangle$ [$\langle angle \rangle$] [$\langle refpoint \rangle$] [$\langle labelref \rangle$]
innerlabel=true
position= $\langle num \rangle$, start, end
abspos= $\langle num \rangle$, start, end
endbox=true, false
angle= $\langle num \rangle$
rotateref= $\langle refpoint \rangle$
compshift= $\langle num \rangle$
OptComp $\langle psstyle \rangle$
OptionalStyle $\langle psstyle \rangle$
VariableStyle $\langle psstyle \rangle$
addtoOptComp= $\langle list \rangle$
newOptComp= $\langle list \rangle$
optional=true, false

$\backslash lens$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
lensheight= $\langle num \rangle$
lensradiusleft= $\langle num \rangle$
lensradiusright= $\langle num \rangle$
lensradius= $\langle left \rangle$ [$\langle right \rangle$]
lenswidth= $\langle num \rangle$
lens= $\langle radiusleft \rangle$ [$\langle radiusright \rangle$] [$\langle height \rangle$] [$\langle width \rangle$]
thicklens=true, false

$\backslash optplate$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
plateheight= $\langle num \rangle$
platelinewidth= $\langle num \rangle$ or $\langle dimen \rangle$

$\backslash optretplate$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
platewidth= $\langle num \rangle$
platesize= $\langle width \rangle$ $\langle height \rangle$

$\backslash pinhole$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
outerheight= $\langle num \rangle$
innerheight= $\langle num \rangle$
phlinewidth= $\langle num \rangle$ or $\langle dimen \rangle$

phwidth= $\langle num \rangle$

$\backslash optbox$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
optboxwidth= $\langle num \rangle$
optboxheight= $\langle num \rangle$
optboxsize= $\langle width \rangle$ $\langle height \rangle$

$\backslash crystal$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
crystalwidth= $\langle num \rangle$
crystalheight= $\langle num \rangle$
crystalsize= $\langle width \rangle$ $\langle height \rangle$
caxislength= $\langle num \rangle$
caxisinv=true, false
voltage=true, false
lamp=true, false
lampscale= $\langle num \rangle$
CrystalCaxis $\langle psstyle \rangle$
CrystalLamp $\langle psstyle \rangle$

$\backslash optdetector$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
detsize= $\langle num \rangle$ or $\langle width \rangle$ $\langle height \rangle$
dettpe=round, diode
DetectorStyle $\langle psstyle \rangle$

$\backslash optdiode$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
optdiodesize= $\langle num \rangle$

$\backslash doveprism$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
doveprismsize= $\langle num \rangle$ or $\langle width \rangle$ $\langle height \rangle$

$\backslash glanthompson$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
glanthompsonwidth= $\langle num \rangle$
glanthompsonheight= $\langle num \rangle$
glanthompsonsize= $\langle width \rangle$ $\langle height \rangle$
glanthompsongap= $\langle num \rangle$

$\backslash polarization$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
polsize= $\langle num \rangle$
pollinewidth= $\langle num \rangle$ or $\langle dimen \rangle$
poltype=parallel, perp, misc, lcirc, rcirc
Polarization $\langle psstyle \rangle$

$\backslash mirror$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
mirrorwidth= $\langle num \rangle$
mirrorlinewidth= $\langle num \rangle$ or $\langle dimen \rangle$
mirrorradius= $\langle radius \rangle$ [0]

mirrortype=plain, piezo, extended, semitrans
variable=true, false
mirrordepth= $\langle num \rangle$
ExtendedMirror $\langle psstyle \rangle$
PiezoMirror $\langle psstyle \rangle$
SemitransMirror $\langle psstyle \rangle$

$\backslash beamsplitter$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
bssize= $\langle num \rangle$
bsstyle=cube, plate

$\backslash optgrating$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
gratingwidth= $\langle num \rangle$
gratingheight= $\langle num \rangle$
gratingdepth= $\langle num \rangle$
gratingcount= $\langle int \rangle$
gratingtype=blazed, binary
gratingalign=t, top, c, center
reverse=true, false
gratinglinewidth= $\langle num \rangle$ or $\langle dimen \rangle$

$\backslash optprism$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
prismsize= $\langle num \rangle$
prismangle= $\langle num \rangle$
prismalign=auto, center

$\backslash rightangleprism$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
raprismsize= $\langle num \rangle$

$\backslash pentaprism$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle center \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
pentaprismsize= $\langle num \rangle$
usefiberstyle=true, false

$\backslash optfiber$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
fiberloops= $\langle int \rangle$
fiberloopradius= $\langle num \rangle$
fiberloopsep= $\langle num \rangle$

$\backslash optamp$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
optampsize= $\langle num \rangle$ or $\langle width \rangle$ $\langle height \rangle$

$\backslash optmzm$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
optmzmsize= $\langle num \rangle$ or $\langle width \rangle$ $\langle height \rangle$

$\backslash polcontrol$ [$\langle opt \rangle$] ($\langle in \rangle$) ($\langle out \rangle$) { $\langle label \rangle$ }
polcontrolsize= $\langle num \rangle$

<p>polcontroltype=linear, triangle</p> <p>\optisolator[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>isolatorsize=<i><num></i> or <i><width></i> <i><height></i></p> <p>IsolatorArrow<i><psstyle></i></p> <p>\optswitch[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>switchsize=<i><num></i></p> <p>switchstyle=opened, closed</p> <p>\fiberdelayline[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>fdlsize=<i><num></i> or <i><width></i> <i><height></i></p> <p>FdlArrow<i><psstyle></i></p> <p>\optfiberpolarizer[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>fiberpolsize=<i><num></i> or <i><width></i> <i><height></i></p> <p>\optcirculator(<i><left></i>)(<i><right></i>)(<i><bottom></i>){<i><label></i>}</p> <p>optcircsize=<i><num></i></p> <p>optcircangleA=<i><num></i></p> <p>optcircangleB=<i><num></i></p> <p>optcircangle=<i><num></i> <i><num></i></p> <p>OptCircArrow<i><psstyle></i></p> <p>\optcoupler(<i><tl></i>)(<i><bl></i>)(<i><tr></i>)(<i>
</i>){<i><label></i>}</p> <p>\wdmcoupler(<i><tl></i>)(<i><bl></i>)(<i><r></i>){<i><label></i>}</p> <p>\wdmsplitter(<i><l></i>)(<i><tr></i>)(<i>
</i>){<i><label></i>}</p> <p>couplersize=<i><num></i> or <i><width></i> <i><height></i></p> <p>couplersep=<i><num></i></p> <p>couplertype=none, ellipse, rectangle, cross</p> <p>coupleralign=t, top, b, bottom, c, center</p> <p>align=top, bottom, center</p> <p>VariableCoupler<i><psstyle></i></p> <p>\fiberbox(<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>fiberboxwidth=<i><num></i></p> <p>fiberboxheight=<i><num></i></p> <p>fiberboxsize=<i><width></i> <i><height></i></p> <p>fiberboxsep=<i><num></i></p> <p>fiberboxsepout=<i><num></i></p> <p>fiberboxcount=<i><N></i>×<i><M></i></p> <p>\optfilter[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>filtersize=<i><num></i></p> <p>filtertype=bandpass, bandstop, lowpass, highpass</p> <p>FilterStyle<i><psstyle></i></p>	<p>\fibercollimator(<i><in></i>)(<i><A></i>)(<i></i>)(<i><out></i>){<i><label></i>}</p> <p>fibercolsize=<i><num></i> or <i><width></i> <i><height></i></p> <p>\oenode{<i><node></i>}{<i><comp></i>}</p> <p>namingscheme=old, new</p> <p>showoptdots=true, false</p> <p>compname=<i><string></i></p> <p>\oenodeRefA{<i><comp></i>}</p> <p>\oenodeRefB{<i><comp></i>}</p> <p>\oenodeTrefA{<i><comp></i>}</p> <p>\oenodeTrefB{<i><comp></i>}</p> <p>\oenodeCenter{<i><comp></i>}</p> <p>\oenodeLabel{<i><comp></i>}</p> <p>\oenodeExt{<i><comp></i>}</p> <p>extnode=<i><refpoint></i></p> <p>extnodealign=rel, relative, abs, absolute</p> <p>\oenodeIfc{<i><num></i>}{<i><comp></i>}</p> <p>\oenodeIn{<i><comp></i>}</p> <p>\oenodeOut{<i><comp></i>}</p> <p>\oenodeRotref{<i><comp></i>}</p> <p>\oenodeBeam{<i><num></i>}</p> <p>\oenodeBeamUp{<i><num></i>}</p> <p>\oenodeBeamLow{<i><num></i>}</p> <p>\oeBeamVec{<i><num></i>}</p> <p>\oeBeamVecUp{<i><num></i>}</p> <p>\oeBeamVecLow{<i><num></i>}</p> <p>\drawbeam[<i><options></i>]{<i><obj₁></i>}{<i><obj₂></i>}...</p> <p>raytrace=true, false</p> <p>useNA=true, false</p> <p>n=<i><code></i></p> <p>refractiveindex=<i><code></i></p> <p>beampos=[<i><x></i>] <i><y></i></p> <p>beamangle=<i><pscode></i></p> <p>beamalign=rel, relative, abs, absolute</p> <p>beaminside=true, false</p> <p>beaminsidefirst=true, false</p> <p>beaminsidelast=true, false</p> <p>allowbeaminside=true, false</p> <p>forcebeaminside=true, false</p> <p>\optplane(<i><center></i>)</p> <p>beam=true, false</p>	<p>conn=<i><string></i></p> <p>Beam<i><psstyle></i></p> <p>addtoBeam=<i><list></i></p> <p>newBeam=<i><list></i></p> <p>ArrowInsideMinLength=<i><pscode></i></p> <p>ArrowInsideMaxLength=<i><pscode></i></p> <p>\drawwidebeam[<i><options></i>]{<i><obj₁></i>}{<i><obj₂></i>}...</p> <p>beamwidth=<i><pscode></i></p> <p>beamdiv=<i><pscode></i></p> <p>pswarning=true, false</p> <p>savebeampoints=true, false, <i><int></i></p> <p>loadbeampoints=true, false, <i><int></i></p> <p>savebeam=true, false</p> <p>loadbeam=true, false</p> <p>startinside=true, false</p> <p>stopinside=true, false</p> <p>\drawfiber[<i><options></i>]{<i><obj₁></i>}{<i><obj₂></i>}...</p> <p>fiberalign=rel, relative, center, abs, absolute</p> <p>fiberangleA=<i><num></i></p> <p>fiberangleB=<i><num></i></p> <p>startnode=auto, N, 1, 2, ...</p> <p>stopnode=auto, N, 1, 2, ...</p> <p>Fiber<i><psstyle></i></p> <p>addtoFiber=<i><list></i></p> <p>newFiber=<i><list></i></p> <p>fiberstyle=<i><string></i></p> <p>fiber=[*+]none, all, i, o, <i><refpoint></i></p> <p>\begin{optexp}...\end{optexp}</p> <p>\backlayer{<i><code></i>}</p> <p>\frontlayer{<i><code></i>}</p> <p>\optdipole[<i><opt></i>](<i><in></i>)(<i><out></i>){<i><label></i>}</p> <p>\opttripole[<i><opt></i>](<i><in></i>)(<i><center></i>)(<i><out></i>){<i><label></i>}</p> <p>optdipolesize=<i><width></i>[<i><height></i>]</p> <p>\newOptexpDipole[<i><fixopt></i>]{<i><name></i>}{<i><dftopt></i>}</p> <p>\newOptexpTripole[<i><fixopt></i>]{<i><name></i>}{<i><dftopt></i>}</p> <p>\newOptexpFiberDipole[<i><fixopt></i>]{<i><name></i>}{<i><dftopt></i>}</p> <p>showifcnodes=true, false</p> <p>IfcNodeStyle<i><psstyle></i></p>
---	--	---