PSTricks

pst-gantt

gantt charts; v.0.22a

December 14, 2014

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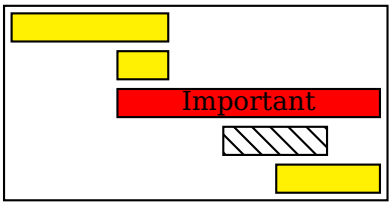
pst-gantt loads by default the following packages: pst-node, pst-grad, pst-xkey, and, of course pstricks. All should be already part of your local TEX installation. If not, or in case of having older versions, go to http://www.CTAN.org/ and load the newest version.

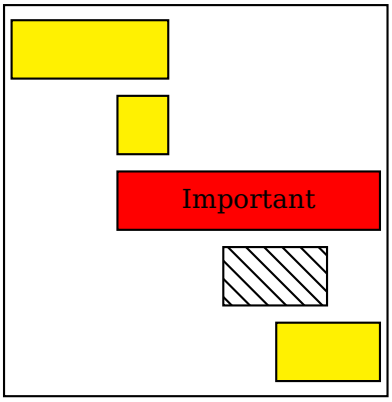
1 Environments and Macros

The main environemnt is `PstGanttChart` with the following syntax:

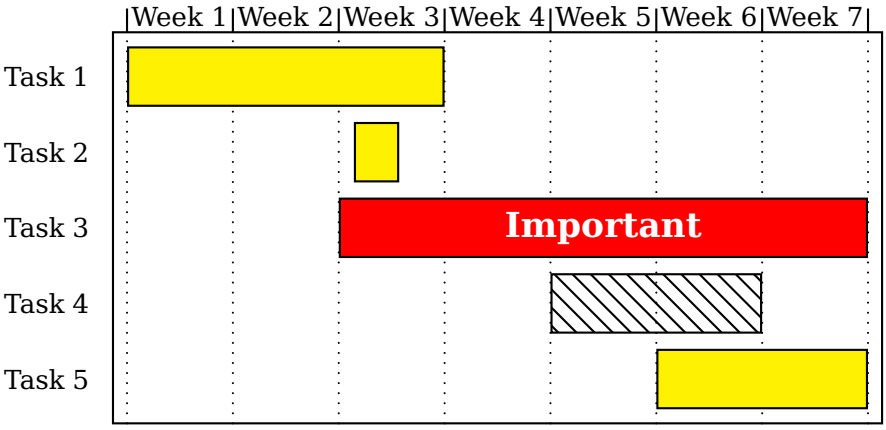
```
\begin{PstGanttChart} [Options] {vertical units}{horizontal units}
...\end{PstGanttChart}
\PstGanttTask [Options] {Start}{End}
```



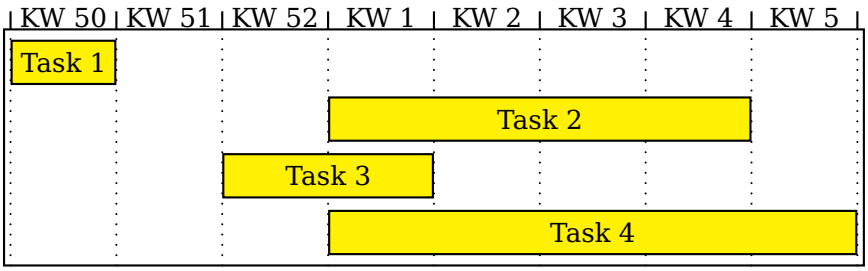

```
\newpsstyle{Important}{fillstyle=solid,
    fillcolor=red}
\newpsstyle{NotImportant}{fillstyle=vlines}
\begin{PstGanttChart}{5}{7}
\PstGanttTask{0}{3}
\PstGanttTask{2}{1}
\PstGanttTask[TaskStyle=Important,
   TaskInsideLabel=Important]{2}{5}
\PstGanttTask[TaskStyle=NotImportant]{4}{2}
\PstGanttTask{5}{2}
\end{PstGanttChart}
```



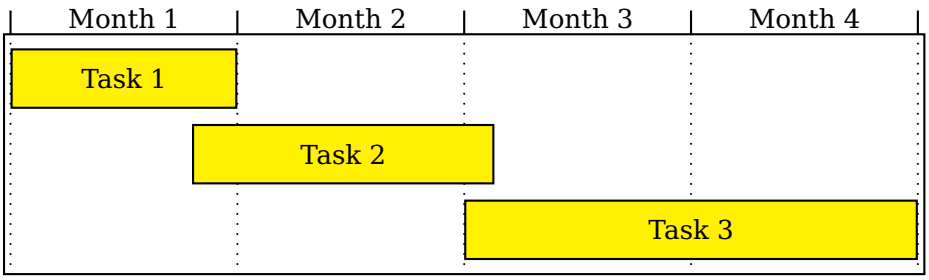

```
\newpsstyle{Important}{fillstyle=solid,
    fillcolor=red}
\newpsstyle{NotImportant}{fillstyle=vlines}
\begin{PstGanttChart}[yunit=2]{5}{7}
\PstGanttTask{0}{3}
\PstGanttTask{2}{1}
\PstGanttTask[TaskStyle=Important,%
  TaskInsideLabel=Important]{2}{5}
\PstGanttTask[TaskStyle=NotImportant]{4}{2}
\PstGanttTask{5}{2}
\end{PstGanttChart}
```



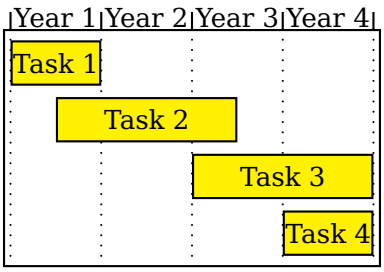

```
\newpsstyle{Important}{fillstyle=solid,fillcolor=red}
\newpsstyle{NotImportant}{fillstyle=vlines}
\begin{PstGanttChart}[unit=2,TaskOutsideLabelMaxSize=1,
  ChartShowIntervals]{5}{7}
\PstGanttTask[TaskOutsideLabel={Task 1}]{0}{3}
\PstGanttTask[TaskOutsideLabel={Task 2},TaskUnitType=Day]{15}{3}%3 days start at
    15
\PstGanttTask[TaskStyle=Important,TaskOutsideLabel={Task 3},
 TaskInsideLabel={\Large\textcolor{white}{\textbf{Important}}}]{2}{5}
\PstGanttTask[TaskStyle=NotImportant,TaskOutsideLabel={Task 4}]{4}{2}
\PstGanttTask[TaskOutsideLabel={Task 5}]{5}{2}
\end{PstGanttChart}
```



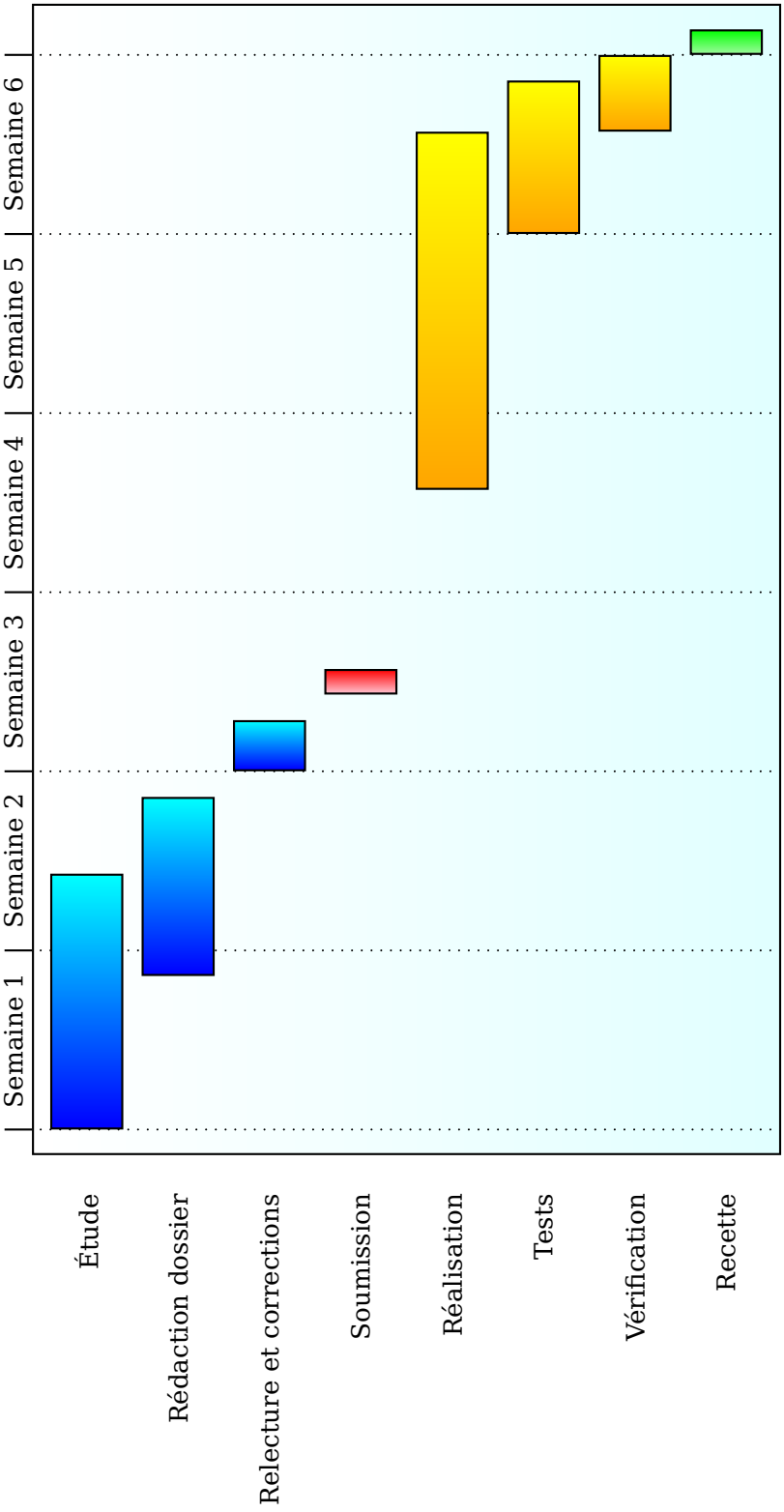

```
\begin{PstGanttChart}[yunit=1.5,
 ChartUnitIntervalName=KW,ChartUnitBasicIntervalName=KW,
 ChartModulo,ChartModuloValue=52,
 TaskUnitIntervalValue=14,TaskUnitType=KW,ChartStartInterval=49,
 ChartShowIntervals]{4}{8}
 \PstGanttTask[TaskInsideLabel={Task 1}]{0}{1}
 \PstGanttTask[TaskInsideLabel={Task 2}]{3}{4}
  \PstGanttTask[TaskInsideLabel={Task 3}]{2}{2}
  \PstGanttTask[TaskInsideLabel={Task 4}]{3}{5}
\end{PstGanttChart}
```




```
\begin{PstGanttChart}[yunit=2,ChartUnitIntervalName=Month,
  TaskUnitIntervalValue=30,TaskUnitType=Month,ChartShowIntervals]{3}{4}
\PstGanttTask[TaskInsideLabel={Task 1}]{0}{1}
\PstGanttTask[TaskInsideLabel={Task 2},TaskUnitType=Day]{24}{40}% 40 days start
    at 24
\PstGanttTask[TaskInsideLabel={Task 3}]{2}{2}
\end{PstGanttChart}
```




```
\begin{PstGanttChart}[yunit=1.5,
  ChartUnitIntervalName=Year,
  ChartUnitBasicIntervalName=Month,
  TaskUnitIntervalValue=12,
  TaskUnitType=Year,
  ChartShowIntervals]{4}{4}
\PstGanttTask[TaskInsideLabel={Task 1}]{0}{1}
\PstGanttTask[TaskInsideLabel={Task 2},
   TaskUnitType=Month]{6}{24}% 24 months start
       at 6
\PstGanttTask[TaskInsideLabel={Task 3}]{2}{2}
\PstGanttTask[TaskInsideLabel={Task 4}]{3}{1}
\end{PstGanttChart}
```


Semaine 1
Semaine 2
Semaine 3
Semaine 4
Semaine 5
Semaine 6
Étude
Rédaction dossier
Relecture et corrections
Soumission
Réalisation
Tests
Vérification
Recette

```
\definecolor{LightCyan} {rgb}{0.88,1.,1.}
\definecolor{Orange} {rgb}{1.,0.65,0.}
\definecolor{PaleGreen} {rgb}{0.6,0.98,0.6}
\definecolor{Pink} {rgb}{1.,0.75,0.8}
\psset{gradmidpoint=0,fillstyle=gradient,gradbegin=LightCyan,gradend=white}
\newpsstyle{TaskStyleA}{gradbegin=cyan,gradend=blue}
\newpsstyle{TaskStyleB}{gradbegin=red,gradend=Pink}
\newpsstyle{TaskStyleC}{gradbegin=yellow,gradend=Orange}
\newpsstyle{TaskStyleD}{gradbegin=green,gradend=PaleGreen}

\begin{PstGanttChart}[yunit=2.5,xunit=3.5,ChartUnitIntervalName=Semaine,
                ChartUnitBasicIntervalName=Jour,TaskUnitType=Jour,
                TaskOutsideLabelMaxSize=14,ChartShowIntervals]{8}{43}
  \psset{gradangle=90,TaskStyle=TaskStyleA}
  \PstGanttTask[TaskOutsideLabel={\'Etude}]{0}{10}
  \PstGanttTask[TaskOutsideLabel={R\'edaction dossier}]{6}{7}
  \PstGanttTask[TaskOutsideLabel={Relecture et corrections}]{14}{2}
  \PstGanttTask[TaskOutsideLabel={Soumission},TaskStyle=TaskStyleB]{17}{1}
  \psset{TaskStyle=TaskStyleC}
  \PstGanttTask[TaskOutsideLabel={R\'ealisation}]{25}{14}
  \PstGanttTask[TaskOutsideLabel={Tests}]{35}{6}
  \PstGanttTask[TaskOutsideLabel={V\'erification}]{39}{3}
  \PstGanttTask[TaskOutsideLabel={Recette},TaskStyle=TaskStyleD]{42}{1}
\end{PstGanttChart}
```

2 List of all optional arguments for pst-gantt

Key	Type	Default
PstPicture	boolean	true
ChartShowIntervals	boolean	true
ChartStartInterval	ordinary	1
ChartModulo	boolean	true
ChartModuloValue	ordinary	52
TaskStyle	ordinary	TaskStyleDefault
ChartUnitIntervalName	ordinary	Week
ChartUnitBasicIntervalName	ordinary	Day
TaskUnitIntervalValue	ordinary	7
TaskUnitType	ordinary	Week
TaskOutsideLabel	ordinary	
TaskInsideLabel	ordinary	
TaskOutsideLabelMaxSize	ordinary	0

References

[1] Denis Girou. Présentation de PSTricks. *Cahier GUTenberg,* 16:21–70, April 1994.

[2] Michel Goosens, Frank Mittelbach, Sebastian Rahtz, Denis Roegel, and Herbert Voß. *The LaTeX Graphics Companion*. Addison-Wesley Publishing Company, Reading, Mass., 2007.

[3] Nikolai G. Kollock. *PostScript richtig eingesetzt: vom Konzept zum praktischen Einsatz*. IWT, Vaterstetten, 1989.

[4] Herbert Voß. *PSTricks – Grafik für TeX und LaTeX*. DANTE – Lehmanns, Heidelberg/Hamburg, 6. edition, 2010.

[5] Herbert Voß. *PSTricks – Graphics and PostScript for LaTeX*. UIT, Cambridge – UK, 1. edition, 2011.

[6] Herbert Voß. *LaTeX quick reference*. UIT, Cambridge – UK, 1. edition, 2012.

[7] Herbert Voß. *Presentations with LaTeX*. DANTE – Lehmanns Media, Heidelberg/Berlin, 1. edition, 2012.

[8] Eric Weisstein. *Wolfram MathWorld*. http://mathworld.wolfram.com, 2007.

[9] Timothy van Zandt. *PSTricks - PostScript macros for generic TeX*. http://www.tug.org/application/PSTricks, 1993.

[10] Timothy van Zandt. *multido.tex - a loop macro, that supports fixed-point addition*. CTAN:/graphics/pstricks/generic/multido.tex, 1997.

[11] Timothy van Zandt. *pst-plot: Plotting two dimensional functions and data*. CTAN:graphics/pstricks/generic/pst-plot.tex, 1999.

[12] Timothy van Zandt and Denis Girou. Inside PSTricks. *TUGboat*, 15:239–246, September 1994.

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