PaperPlaza Conference Paper Management System

Support

T_EX/L^AT_EX Related Topics.

Question. Are there style files available to use with TeX/LaTeX?

Answer. Please download the following files for document preparation using LaTeX. Unfortunately, at the preser for plain TeX or other flavors of TeX (such as AMSTeX, ConTeXt, etc.)

- LaTeX style file cssconf.cls
- LaTeX sample document sample.tex
- BiBTeX files IEEEtranBST.zip
- Guide to use cssconf.cls (based on IEEEtrans.cls) IEEEtran_HOWTO.pdf
- Sample pdf files sample.pdf and a4sample.pdf

The document sample.tex can be configured for US Letter paper or A4. Please note the following four important l

```
\documentclass[letterpaper, 10 pt, conference]{cssconf}
  % use above line letter sized paper
\documentclass[a4paper, 10pt, conference]{cssconf}
  % Use this line for a4 paper
\IEEEoverridecommandlockouts
  % Needed if you want to use the \thanks command
\overrideIEEEmargins
  % Needed to meet printer requirements.
```

Question. What else do I need to create PDF documents using LaTeX?

Answer. In addition to above style files you need following additional components:

- A LaTeX distribution for your platform, e.g.: MikTeX 2.3 or higher (for Windows); TeTeX 1.0.7 or higher (fo higher (for Mac). Make sure that your installation uses **Type 1 fonts**. Earlier versions of LaTeX used Type render well on screen as well as print). The paper submission system checks for fonts used and if it detect cannot assist with installation of these packages on your system, however, they all come with extensive in
- Either Ghostscript 7.0.4 or higher (but less than 8.13) and Ghostview 4.6 combination or Adobe Distiller 4.

(free/commercial) in the market that can produce compatible PDF files. However, there is no support avail

- Some distributions of LaTeX (e.g. MikTeX) come bundled with pdfTeX that can directly create PDF files fr have all graphics/images of your document available in PDF format. It cannot convert encapsulated postsc the LaTeX source file and the details for that appear in pdfTeX documentation and are not repeated here.

Question. How do I create screen quality PDFs from LaTeX source?

Answer. Assuming that you have a LaTeX distribution for your platform with "Type 1" fonts installed. Use one of t

Using a recent distribution of MikTeX (2.3) or TeTeX (1.0.7) and Ghostscript (7.04)
Using a recent distribution of MikTeX/TeTeX and Ghostscript with GSview
Using a recent distribution of MikTeX/TeTeX and Acrobat Distiller
Using pdfTeX

Using a recent distribution of MikTeX (2.3) or TeTeX (1.0.7) and Ghostscript (7.04)

```
latex sample
dvips -Ppdf -G0 -tletter sample
ps2pdf -dCompatibilityLevel=1.3 -dMAxSubsetPct=100 -dSubsetFonts=true -dEmbedAllFon
```

For the sample document a4sample.tex the commands are very similar:

```
latex a4sample
dvips -Ppdf -G0 -ta4 a4sample
ps2pdf -dCompatibilityLevel=1.3 -dMAxSubsetPct=100 -dSubsetFonts=true -dEmbedAllFon
```

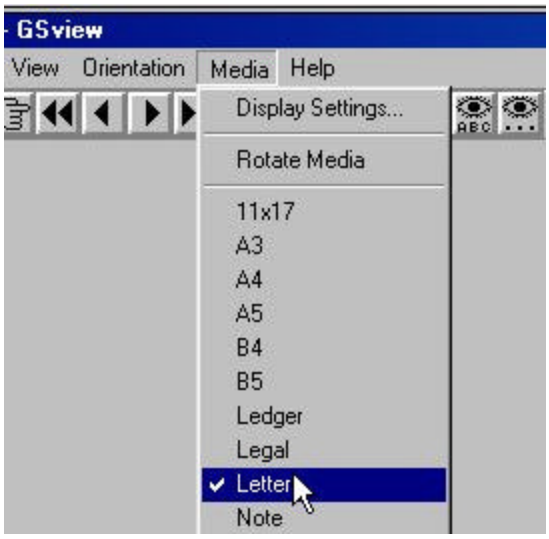
These instructions have been tested under Windows with MiKTeX 2.3, and under Linux with teTeX 1.0.7 and Gh

Note that without -d[*options*] listed above, ps2pdf will not embed Adobe's base 14 set of fonts and your paper will

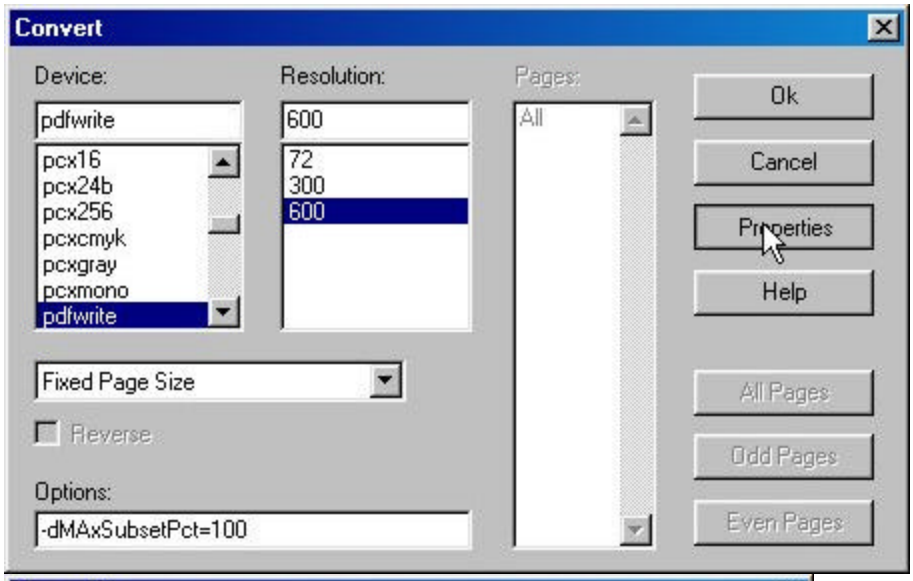
Using a recent distribution of MikTeX/TeTeX and Ghostscript with GSview

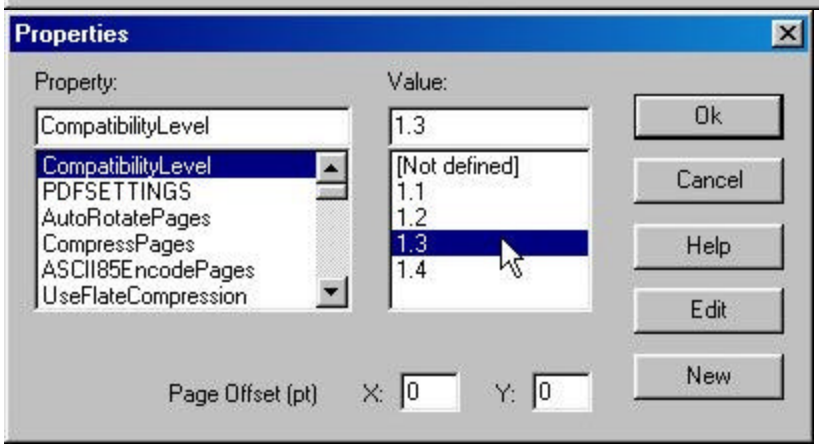
If you are using *MS-Windows operating* system, we strongly recommend using GSview 4.6, a graphical font end setting up the above parameters for ps2pdf.

The first step is to set the media size to Letter. To do this, in the GSview menubar at the top click on "Media" and

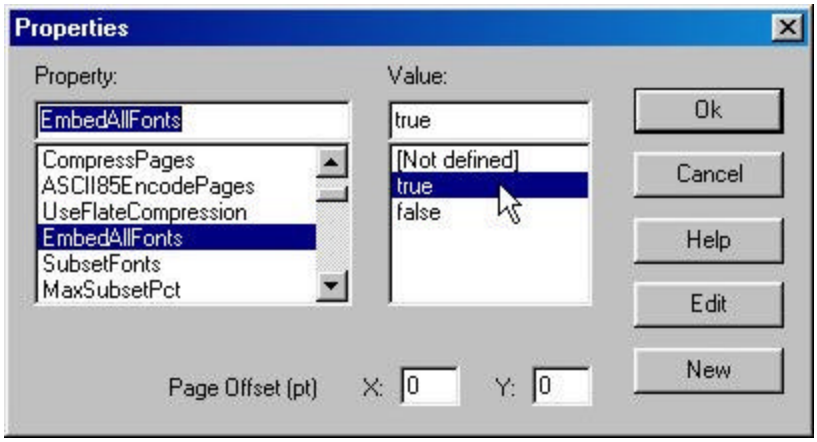


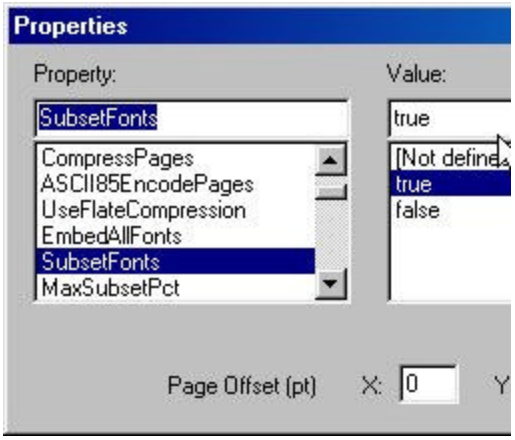
Next, click on "File | Convert". In the ensuing window, in Options textbox type in " -dMAxSubsetPct=100", then foll





This option makes sure that the files will be viewable by readers with Acrobat Reader 4, 5 or 6.





These two settings, together with "-dMAxSubsetPct=100" will ensure that all fonts are embedded as required.

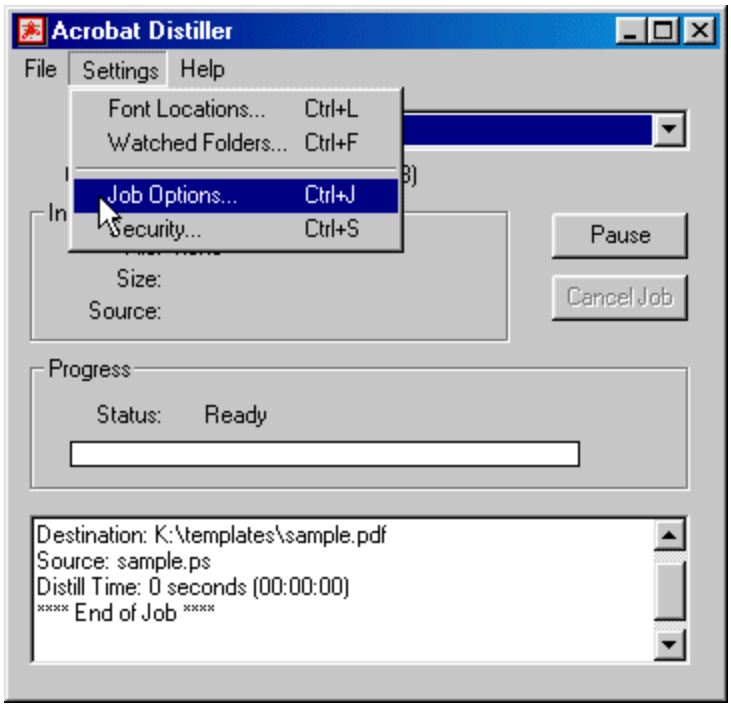
Using a recent distribution of MikTeX/TeTeX and Acrobat Distiller

To produce PDF that will print well on paper as well as look sharp on the screen you must have Type 1 fonts insta
use the following steps

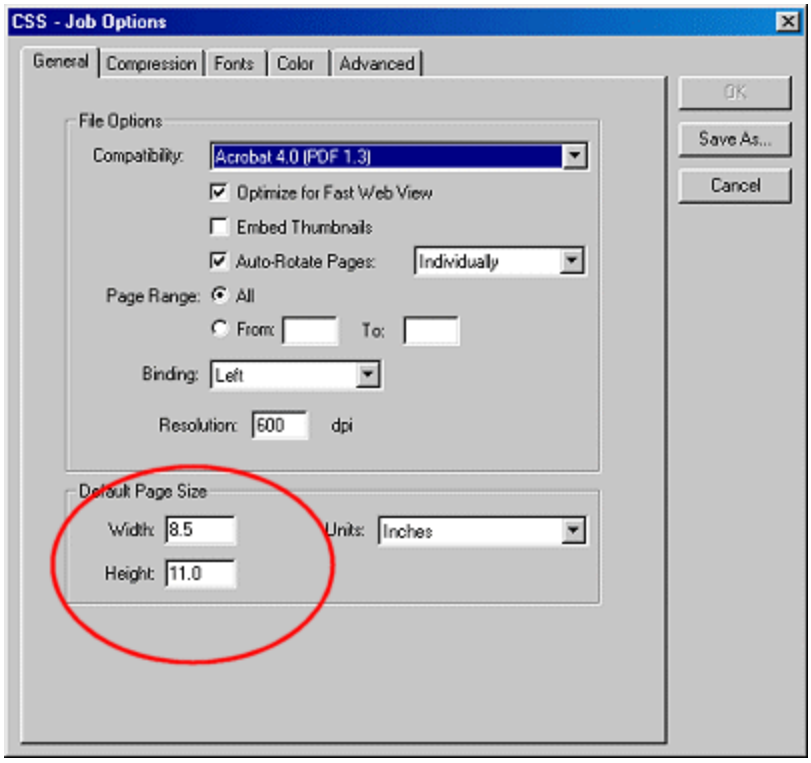
```
latex [a4]sample (if needed use also bibTeX and rerun LaTeX)
dvips -Ppdf -G0 -tletter sample (for letter sized document)
dvips -Ppdf -G0 -ta4 a4sample (for A4 sized document)
```

This generates the postscript file "sample.ps". Next, launch Adobe distiller. Here are the screen captures of settin
Distiller releases.

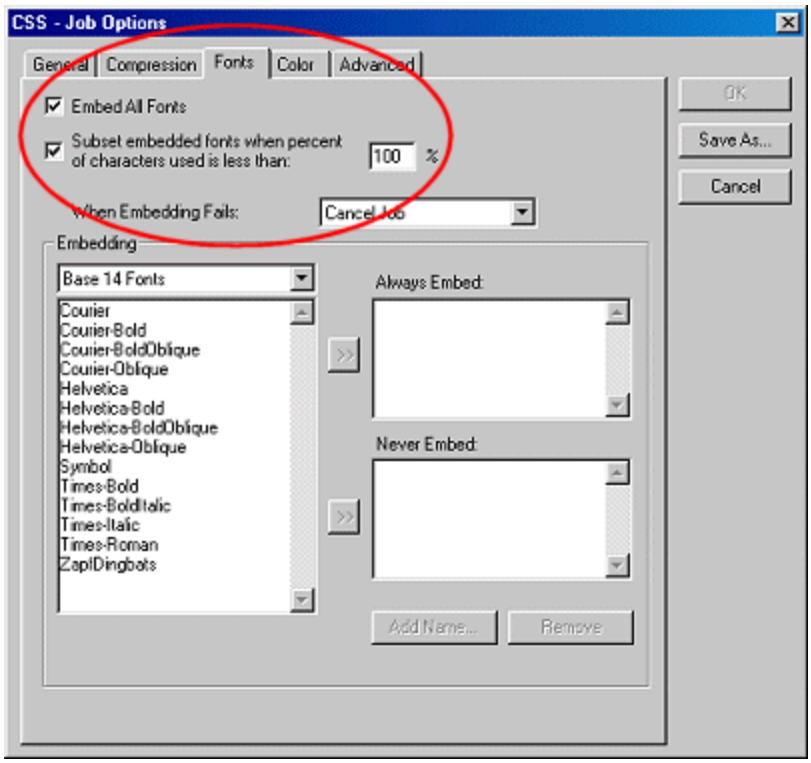
In the distiller select Settings | Job Options as shown in the first image -



Next, under "General" tab, set paper size to Letter (8.5"x11") as shown in the circled part of the image



Next, click on the "Fonts" tab and enable font embedding as shown in the third figure.



You may want to save this setting as (say) a joboption CSSconferences and you can reuse it for future conferenc
appropriate folder as described below and it will set up suitable options.

Important: If you are setting up joboptions on your own, make sure that the PDF compatibility is set to "Acro PDF 1.4 or 1.5 compatibility.

Using pdfTeX

PDFLaTeX is a special version of LaTeX by Han The Thanh which produces PDF output directly using Type-1 fo in beta version and does not accept all of the LaTeX packages or postscript figures.

pdfLaTeX (+bibTeX)

- For this path you must convert all of your postscript figures to pdf. This can be done by "epstopdf" or Adob your TeX-file, at minimum to include the .pdf-graphics.
- If you start a new document from scratch, intended to get a PDF, this path is the first choice, although pdfL
- LaTeX and pdfLaTeX behave by default differently concerning the character-spacing. As a result, the sam show different line-breaks, paragraphs, page-breaks etc. Fortunately, there is a switch in pdfLaTeX to ens
- pdfLaTeX uses per default Type-1 fonts.

Question. Should I use dvips/ghostscript/distiller combination, PDFLaTeX or dvipdfm?

Answer. There are currently two viable alternatives in producing compliant PDF documents from LaTeX (dvips m currently the best one owing to the fact that the LaTeX source file does not have to be modified, all style and clas postscript figures can be included directly into the final PDF. Both methods of creating compliant PDFs work well. slightly different. Of course, they all require that the TeX installation being used supports Type 1 fonts.

	dvips/ghostscript/distiller	**pdfTeX**
Fonts	Type 1	Type 1
Style Files	Support all known styles	Limited support
Platforms	All	Linux (Y), Win (Y), Mac (?)
Graphics	EPS/JPEG/PNG	PDF
Workflow	latex+bibtex --> dvips --> PDF	latex+bibtex --> PDF

dvipdfm works well, but **has some bugs in processing certain types of .eps** figures. The only reliable way to postscript figures in your document is to first convert them to PDF.

Question. My TeX installation uses bitmapped fonts, what should I do?

Answer. All earlier TeX/LaTeX installation used METAFONT technology to create Type 3 fonts. These fonts were were meant. Unfortunately that does not help in creation of PDF that render well on the screen as well as print. If computer, upgrade it to a newer version. Most newer packaged distributions come with Type 1 fonts. All package using a Network installation of LaTeX, please request your system administrator to upgrade the installation with a

reliable way to convert the font from bitmapped to vector once the document has been generated. The changes h
> PDF.

Question. I am using vector fonts, yet the PDF test says there are bitmap fonts in my paper. What should

Answer. It may happen that after using the

```
dvips -Ppdf -G0 -tletter and ps2pdf
```

commands your pdf document still contains bitmapped (Type 3) fonts. The most likely source for bitmapped fonts
You may check if these fonts originate from the graphics in the document by compiling the source file without the
the offending images using Type 1 fonts or to convert them to raster images (such as JPEG/PNG etc) and includ