# LaTeX Guidelines for Simple, Two-Column Papers

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EECS 290N Report
September 13, 2004

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## Abstract

*This is a simple sample of a document created using LaTeX that includes a figure from the Vergil visual editor for Ptolemy II that has been created by printing to EPS. It also illustrates a simple two-column conference paper style, and use of bibtex to handle bibligraphies.*

## 1 Using LaTeX with EPS Figures

This is a sample document for use with latex and dvipdfm, which is a program that is included with the Miktex distribution that produces PDF files from DVI files, which are produced by LaTeX. To run LaTeX on this file, you need the following files:

1. templateEPS.tex (this file)

2. figure.eps (the figure file)

3. simpleConference.sty (style file)

4. refs.bib (bibiliography file)

To create a PDF file, execute the following commands:

1. latex templateEPS

2. bibtex templateEPS

3. latex templateEPS

4. latex templateEPS

5. divpdfm templateEPS

Yes (strangely) it is necessary to run latex three times. The result will be a PDF file (plus several other files that LaTeX produces). You will need a mechanism, of course, for executing commands on the command line. If you are using Windows, I recommend installing Cygwin and using its bash shell.

The figure 1 is created from Vergil, the visual editor for Ptolemy II models [?], by first creating an EPS printer and printing to it, then using Ghostscript to set the bounding box of the resulting EPS file.
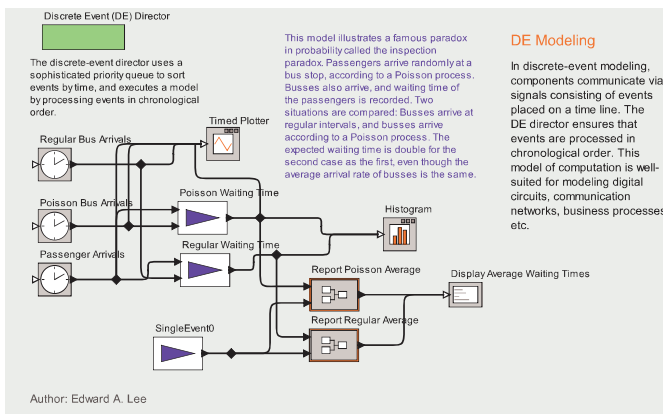


**Figure 1.** Figure caption. To get a figure to span two columns, use the environment figure* rather than figure.