ISIS Experimental Report

Rutherford Appleton Laboratory

RB Number:	1234
Date of Report:	14/8/97

Title of Experiment:	A LaTeX file for producing ISIS reports	**Local Contact:**	A. N. Other
Principal Proposer:	S. J. Blundell	**Instrument:**	MuSR
Affiliation:	Clarendon Laboratory, Oxford	**Date of Experiment:**	14/8/97
Experimental Team:	S. J. Blundell		

You can make ISIS A3 reports using a Microsoft Word file, available from the ISIS webserver. You can make ISIS A3 reports using scissors and glue. But if you are blessed with more discernment and cultivated tastes, you would probably prefer to do the whole thing in LaTeX. By editing the file `isisrep.tex`, you can!

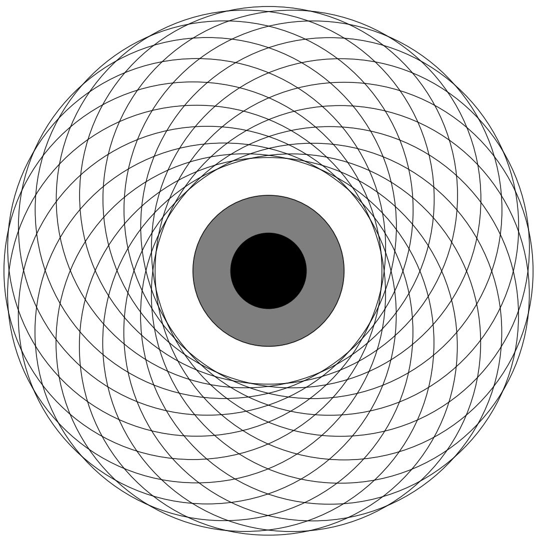

Figure 1: This is an example figure inserted with the `psfile` utility that works with most versions of `dvips` and is useful for inserting encapsulated PostScript (EPS) files.

This is the file `example.tex` which gives an example of the use of this ISIS A3 report LaTeX file. It was produced by editing the file `isisrep.tex`.

- It will run under LaTeX 2.09 (the old one) or the new LaTeX 2ϵ. It needs no style files.
- It is not provided officially by ISIS but by me and therefore comes with no promises of reliability! If you can improve it please let me know!
- It produces a report of exactly the same size as appears in the ISIS annual reports and thus prints out on a usual A4 laserprinter. (You will need to enlarge it on a photocopier if you really want an A3 version!)
- It is extremely quick and easy to use!

To use it, edit the file `isisrep.tex` and leave all of the formatting commands at the beginning alone. Just input the necessary information at the postions indicated. I have put lots of comments in it so it should be very easy to follow them and understand how it works. Any confusion and you can always look at the LaTeX source for this example file. You'll have to work by trial and error to get the length of the report right. If the report is too long it will spill on to a second (or more) page and you'll need to shorten it.

This example file also illustrates how to insert an EPS figure using the "psfile" technique (see Figure 1). This works with `dvips` which most LaTeX users I know use. A better way is perhaps with the `epsf` macros.

References work in the usual way for LaTeX files but just as an example, I give one here [1].

Stephen Blundell
`sjb@ermine.ox.ac.uk`

References

[1] S. F. J. Cox, *J. Phys. C* **20**, 3187 (1987)