Subject: Postscript and Object Graphics, special characters Posted by uwp on Mon, 14 Aug 2006 17:05:12 GMT

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Hello,

at the moment I'm struggeling with a problem, which is probably very easy to solve, but - I didn't find the solution yet...

I want to export object graphics with special characters in it into EPS, PS or PDF. I run IDL 6.3 in Windows XP. For exporting, I use:

clipboard = Obj_New('IDLgrClipboard', Dimensions=[8,6], \$ Resolution= [2.54/300, 2.54/300], Units=2, Quality=2) clipboard->Draw,View, Filename=filename, /PostScript, /Vector

First problem I ran into: the line thickness which was too thick I solved this by patching the EPS file: the line "4.16667 setlinewidth" needed to be changed to "1.0 setlinewidth". A small IDL routine does this job now every time after eps export.

Then, I had problems when converting EPS to PDF by using the Acrobat distiller. I need PDF for my PDFlatex. But obviously, Acrobat doesn't understand the EPSF comment in the header; the PDF page remained white. So my little output fixing routine now also changes the first EPS line from "%!PS-Adobe-3.0 EPSF-3.0" to "%!PS-Adobe-3.0".

Then came up my third problem. And this is major, because yet unresolved: I cannot export views with special characters (like the german umlaute (öäü) or µ for micro) in it correctly. Within IDL, all characters appear on the screen as they should, and also when I'm exporting to EMF, everything looks fine (except for the thick lines again in EMF...).

But the eps file does not show the special characters (neither in Ghostscript, nor in Acrobat). Word does import this eps file and shows the characters on the screen indeed, but not correctly in the printout (PS printer, PDF output) any more.

I assume there must a switch to ISOLATIN encoding somewhere, like it was in direct graphics output, but where is it?

Any help is highly appreciated!

Thanks, Uwe.