Subject: cgPS\_Open crash

Posted by Matteo on Sat, 11 Feb 2017 17:58:03 GMT

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Hi,

I have been consistently using cgPS\_Open / cgPS\_Close to save plots in IDL 7.1. I'm now running IDL 8.5 on Mac and issuing "cgPS\_Open, file='test.ps' results in:

- % Keyword LANGUAGE\_LEVEL not allowed in call to: FSC\_PSCONFIG::INIT
- % Execution halted at: CGPS\_OPEN

I have the latest version of the Coyote library and cgPS\_Open compiles alright.

Any idea on what's wrong?

Thanks!

Subject: Re: cgPS\_Open crash

Posted by Matthew Argall on Sun, 12 Feb 2017 01:06:01 GMT

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I have run into this problem before. cgPS\_Config is a wrapper for the FSC\_PSConfig object, but the two are not 100% compatible (cgPS\_Open calls cgPS\_Config). I created my own version of both so that they work better together. These are my notes on some of my "fixes".

Your particular problem stems from the fact that the ::Init and ::SetProperties methods of FSC\_PSConfig do not accept the LANGUAGE\_LEVEL keyword.

Note that these notes are from quite a while ago, so the real cg programs may have diverged a bit.

## CGPS CONFIG

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- PAGETYPE is no longer included in the output structure because it is not accepted
- by the DEVICE procedure. Use the PAGETYPE keyword instead. Renamed the ISOLATIN
  keyword to ISOLATIN1. Abbreviated keyword still works.
- If PSOBJECT is passed in, its properties will be set. Useful with the MATCH
- ; keyword.

## FSC\_PSCONFIG

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- Font styles and font names are not reset every time the SetProperty method is called.
- SetProperty will set CMYK, ENCAPSULATED, ISOLATIN, LANDSCAPE, METRIC, TRUETYPE
- properties. Added the LANGUAGE\_LEVEL, FONT\_SIZE, PORTRAIT, and TT\_FONT keywords
- to the Init and SetProperty methods so that they work with the DEVICE, cgPS\_Open,
  - and cgPS Config. Removed the PAGETYPE and FONTTYPE fields from structure returned
- by GetKeywords because they are not accepted by the DEVICE procedure. Renamed
- ISOLATIN to ISOLATIN1 (abbreviated keyword still works).
- Correctly convert to and from IDL [xy]offsets to offsets from the lower left corner.
- Added the SANE\_OFFSETS keyword to the GetKeywords method in case you want to
- pass the keyword structure to cgPS Open or cgPS Config.

## CGPS\_OPEN

- PAGETYPE is returned as a keyword from cgPS\_Config.
- Added the SET FONT keyword as well as logic checking of TT FONT for compatability
- with Device and FSC\_PSConfig. Was passing a file path instead of the basename
- to cgPS\_Config. Fixed. Added the pagetype keyword because it is no longer
- returned by FSC PSConfig.

## CGPS\_CLOSE

- Do not automatically delete the intermediate post script file if DELETE PS is
- explicitly set to 0.