Subject: Re: medical image registration and ITK Posted by Mathieu Malaterre on Tue, 02 Aug 2005 18:26:29 GMT

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anne wrote:

- > Hi,
- > I would like to add image registration to some of my medical
- > applications software and ideally I would like to make use of the
- > National Library of Medicine Insight Segmentation and Registration
- > Toolkit (ITK) which is freely available. We have used this toolkit from
- > a Python/VTK based environment before but we have no experience of
- > calling the routines directly from IDL.
- > Has anyone already figured out how to do this already? I could just
- > used SPAWN to call an external program but I would prefer to figure out
- > how to pass image data from IDL memory directly.

I believe you can use CALL_EXTERNAL, as long as you define your entry point as a C function (since ITK is written in C++).

After that everything that apply to external programming should be true (cf idl/help/edg.pdf).

HTH Mathieu