
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
