Subject: Re: itk
Posted by mmiller3 on Tue, 13 Jun 2006 15:35:04 GMT

>>>> > "david" == david wilson <david.wilson@case.edu> writes:

> Has anyone wrapped itk routines for image processing and
> called them from IDL? I have searched widely and not found
> any examples.

There is a student in our lab who is interested in this. I'll
ask him to comment here as he makes progress...

Mike

--
Michael A. Miller   mmiller3@iupui.edu
  Imaging Sciences, Department of Radiology, IU School of Medicine

---

Subject: Re: itk
Posted by Grace Chen on Wed, 14 Jun 2006 18:18:26 GMT

Hi David,

I have done some similar task....

For my application, I didn't wrap ITK. I wrap my C programs that
calls the registration program which uses ITK. So if we view this
program structure as a hierarchy, ITK is at the bottom level
(level 4), the registration program is at level 3. My C++ programs
that uses VTK and makes calls to the registration program is at
level 2. And the IDL program is at level 1. To build the bridge
between my C++ code and the IDL program, the book "Calling
C from IDL" by Ronn Kling is the book to read. Another
challenging task is to enable VTK and ITK data communication.
I've never tried calling ITK directly from IDL.....I think it's not
trivial...since it's template code everywhere.

Hope this helps!

Grace

david.wilson@case.edu wrote:
> Has anyone wrapped itk routines for image processing and called them
> from IDL? I have searched widely and ot found any examples.

Subject: Re: itk
Posted by Robbie on Thu, 15 Jun 2006 02:14:11 GMT

How do you transfer image data to/from ITK? Do you use some kind of
data source/sink?

Thanks

Robbie