Subject: Re: Matching, Aligning, Affine Transform
Posted by azM on Thu, 18 Oct 2001 12:26:37 GMT
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Something like a motion detection algorithm probably does the same....

"azM" <user@azm.nl> wrote in message news:9qmgnn$9ch$1@rl0001.unimaas.nl...
> Has anybody written a routine to match two images or even better volumes?
At
> present I'm using a set of external programs (MIRIT, FSL-FLIRT both on
UNIX)
> to calculate translation and rotation of a float volume versus a reference
> volume. The result is a 4x4 (affine) transformation matrix. (I posted some
> questions about this matrix earlier). I'm thinking about writting the
whole
> routine myself because I'm not satisfied with the results of the UNIX
> programs. Unfortunatly I probably don't have enough time for my internship
> left to fully complete this. I want to base it on so called cost
algorithems
> (Woods functions, Joint Entropy etc). Can anybody help me?
>
> Thanks in advance,
> Bob
> B.C.Hamans<<at>>student.tue.nl
>
>
>

Subject: Re: Matching, Aligning, Affine Transform
Posted by azM on Thu, 18 Oct 2001 12:31:29 GMT
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Something like AIR (http://bishopw.loni.ucla.edu/AIR3/index.html) but then
implemented in IDL

"azM" <user@azm.nl> wrote in message news:9qmgnn$9ch$1@rl0001.unimaas.nl...
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Subject: Re: Matching, Aligning, Affine Transform
Posted by azM on Thu, 18 Oct 2001 13:22:20 GMT
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Or VIRE http://www.cs.wright.edu/people/faculty/agoshtas/nih96.html
Which absolutetly completly what I'm looking for. If only i could have a
peak at the code....

"azM" <user@azm.nl> wrote in message news:9qmgnn$9ch$1@rl0001.unimaas.nl...
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>
>
>

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Subject: Re: Matching, Aligning, Affine Transform
Posted by Martin Downing on Thu, 18 Oct 2001 13:47:44 GMT
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Hi bob,

maybe you should lookup some references on registration - noone said this
game was easy! ;)

Martin
---
Martin Downing,
Clinical Research Physicist,
Grampian Orthopaedic RSA Research Centre,
Woodend Hospital, Aberdeen

"azM" <user@azm.nl> wrote in message news:9qml0o$5mf$1@rl0001.unimaas.nl...
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>>
>>
>>
>
>

Subject: Re: Matching, Aligning, Affine Transform
Posted by David Fanning on Thu, 18 Oct 2001 13:54:19 GMT
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azM (user@azm.nl) writes:

> Or VIRE http://www.cs.wright.edu/people/faculty/agoshtas/nih96.html
> Which absolutetly completly what I'm looking for. If only i could have a
> peak at the code....

This algorithm *is* written in IDL. I understand it is
available to people in the research community. I'd write
to Dr. Goshtasby and ask (agoshtas@cs.wright.edu). Please
give him my regards.

Cheers,

David

--
David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: Matching, Aligning, Affine Transform
Posted by Pavel A. Romashkin on Fri, 19 Oct 2001 05:48:04 GMT
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"David Fanning" <david@dfanning.com> wrote

> This algorithm *is* written in IDL. I understand it is
> available to people in the research community.

Oh, but there is no way to tell what the code looks like from a .SAV file,
right ? :-)

Cheers,
Pavel

---

Subject: Re: Matching, Aligning, Affine Transform
Posted by David Fanning on Fri, 19 Oct 2001 12:16:35 GMT
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Pavel Romashkin (pavel.romashkin@noaa.gov) writes:

> Oh, but there is no way to tell what the code looks like from a .SAV file,
> right ? :-)

But if you *ask*, and you are a *researcher*,
things *might* be different.

Did you get up just a little bit early today,
Pavel? I think you should go fix some coffee. :-)

Cheers,

David

P.S. Let's just say loosing sleep over the loss
of the Mac version is not going to help one way
or the other.

--
David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
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Subject: Re: Matching, Aligning, Affine Transform
Posted by Craig Markwardt on Fri, 19 Oct 2001 12:58:48 GMT
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David Fanning <david@dfanning.com> writes:

> Pavel Romashkin (pavel.romashkin@noaa.gov) writes:
>
>> Oh, but there is no way to tell what the code looks like from a .SAV file,
>> right ? :-)
>
> But if you *ask*, and you are a *researcher*,
> things *might* be different.
>
> Did you get up just a little bit early today,
> Pavel? I think you should go fix some coffee. :-)

Hey David--

I think Pavel is actually goading *me* not you, but it's a long story
and he will just need to learn patience. :-)

Craig

--
---------- ----------
Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
---------- ----------

Subject: Re: Matching, Aligning, Affine Transform
Posted by Pavel A. Romashkin on Fri, 19 Oct 2001 20:05:05 GMT
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Craig Markwardt wrote:

> I think Pavel is actually goading *me* not you, but it's a long story
> and he will just need to learn patience. :-)

Did I say anything? I didn't say anything! Its not my fault. I know
nothing. What are you folks talking about? I have plenty of patience.

Cheers Craig,
Pavel

Subject: Re: Matching, Aligning, Affine Transform
Posted by gogosgogos on Fri, 19 Oct 2001 23:47:25 GMT
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yeah sure..
only the GUI is in IDL
the routines are written in C..
didn't you notice the dll's?

Subject: Re: Matching, Aligning, Affine Transform
Posted by azM on Mon, 22 Oct 2001 09:37:58 GMT
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I am a student and I did ask! The answer was that VIRE is available for
licensing. Part of the source is in C anyway so it wouldn't be usefull
afterall.

Bob

"David Fanning" <david@dfanning.com> wrote in message

news:MPG.1639c78cb55f3441989713@news.frii.com...
> Pavel Romashkin (pavel.romashkin@noaa.gov) writes:
>
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> Did you get up just a little bit early today,
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> Cheers,
>
> David
>
> P.S. Let's just say loosing sleep over the loss
> of the Mac version is not going to help one way
> or the other.
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