Subject: Re: IDL procedure to test/cerify IDL routines
Posted by licausi on Tue, 19 Oct 2004 15:57:18 GMT
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David Fanning <david@dfanning.com> wrote in message
news:<MPG.1bdd70a5deacce809896a1@news.frii.com>...
> Gianluca Li Causi writes:
>
>> I'm collecting a group of people in order to make an IDL library out
>> of our own routines,
>> so that I'm wondering if there exists an IDL routine able to test our
>> routines to be sure that they will work in any possible situation.
>
> Yeah, you and me, both!
>
> Cheers,
>
> David
>
> P.S. All I can tell you is LINIX is hell on IDL programs! :-(

Thank you all for your discussion on my topic: really I was intending "mathematical errors", but of course I also would need all the other kind of testing as well...
Anyway, I don't know what LINIX is: could you tell me about?
It seems from one of the replyes to this post that it makes hell just with object graphics, which I'm not interested to (I'm an astronomer, so...).

The question arises to me when I wrote a routine to compute rototranslation between two images of stars: I've tested it with various trial coordinate sets and all went ok, until a friend of mine tried with an exact 45 degrees rotation and it doesn't work!
The reason was that I had a (sin(theta)-cos(theta)) within a matrix and this made a singular matrix if theta=45 degrees, which was not produced in my random tests!

So, I wonder if there is a routine able to parse the IDL program, find that there is a sin(x)-cos(x) case and try it with an x=45 degrees input automatically. And the same for any "special" case within the program.

Thank you so much
Gianluca