Subject: Re: setintersection assumes sets have no repetitions?
Posted by David Fanning on Sun, 24 Feb 2013 06:23:03 GMT
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Paulo Penteado writes:

> I am using Coyote's set functions, and I noticed that when I use some
> (not any) sets with repetitions as input, it crashes:
>
> IDL>
> a=[1,2,3,4,5]
> IDL>
> b=[1,2,2,2]
> IDL>
> print,setintersection(a,b,indices_a=ia,indices_b=ib,position s=pos)
> % Compiled module: SETINTERSECTION.
> % Compiled module: REVERSEINDICES.
> % Compiled module: ERROR_MESSAGE.
>
> Traceback Report from SETINTERSECTION:
>
> % Out of range subscript encountered: BINDICES.
> % Execution halted at: SETINTERSECTION 192 /software/idl/
> others/idl-coyote-read-only/coyote/setintersection.pro
> % $MAIN$
> -1
>
> Is this the expected behavior? Are the input sets supposed not to have
> repetitions? The documentation suggests they may have repeated
> elements, thus making the positions array different from indices_a.

Well, I don't know. That code was added at the request of Mr. Stockwell.
Let's see if he has any ideas about this. :-)

For the moment, I would consider commenting that section of the code
out.

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")