Subject: Re: setintersection assumes sets have no repetitions?
Posted by Jeremy Bailin on Sat, 23 Feb 2013 21:15:10 GMT
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On 2/23/13 2:46 PM, Paulo Penteado wrote:
>
> 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.
>

By definition, a set only has one copy of each element, so I wouldn't be surprised if things fail if it's not a true set.

-Jeremy.