Subject: Re: Piping SAV
Posted by penteado on Thu, 23 Sep 2010 22:37:52 GMT

On Sep 23, 7:33 pm, chris <rog...@googlemail.com> wrote:
> Hi,
> is it possible to pipe SAV files by SPAWN or to execute IDL
> subroutines while other ones are running?
>
> Thanks
>
> CR

You can spawn a call to idl that uses a sav file, but the sav file
must be complete. It does not seem to make sense to pipe a sav file.
Or you can use an idl_idlbridge to make a new session, and communicate
with it through the bridge object.

Subject: Re: Piping SAV
Posted by rogass on Thu, 23 Sep 2010 22:54:56 GMT

On 24 Sep., 00:37, Paulo Penteado <pp.pente...@gmail.com> wrote:
> On Sep 23, 7:33 pm, chris <rog...@googlemail.com> wrote:
>
>> Hi,
>> is it possible to pipe SAV files by SPAWN or to execute IDL
>> subroutines while other ones are running?
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>
> You can spawn a call to idl that uses a sav file, but the sav file
> must be complete. It does not seem to make sense to pipe a sav file.
> Or you can use an idl_idlbridge to make a new session, and communicate
> with it through the bridge object.

Ok, thanks. Can you give an example? Or in other words :)

 _=(replicate({c=call_function('PLS_PAULO_GIVE_ME_SOME_EXAMPL ES',/
VERBOSE},indgen(10))).(0)

Thanks

CR

Subject: Re: Piping SAV
Posted by penteado on Fri, 24 Sep 2010 03:07:04 GMT

On Sep 23, 7:54 pm, chris <rog...@googlemail.com> wrote:
>
> Ok, thanks. Can you give an example? Or in other words :)

This may give a taste of how to do things with the bridge:

```
obridge=idl_idlbridge() ;make the bridge
obridge.setvar,'x',dindgen(1e6) ;put something into a var called x in
the bridge
obridge.execute,'for i=0L,3e2 do yb=cos(x)',/nowait ;do some stuff in
the bridge, asynchronously
print,obridge.status() ;find out if the bridge is done
;        1
;(do some stuff here while the bridge is busy)
print,obridge.status() ;find out if the bridge is done
;        0
y=obridge.getvar('x') ;get a variable called y from the bridge
obridge.cleanup ;destroy the bridge when done
```

Subject: Re: Piping SAV
Posted by penteado on Fri, 24 Sep 2010 03:17:02 GMT

On Sep 23, 7:54 pm, chris <rog...@googlemail.com> wrote:
> Ok, thanks. Can you give an example? Or in other words :)

If you want to spawn things, you just assemble a command (IDL or not)
into a string, and give that to spawn.

If it is to run a savefile:

```
spawn,'idl -rt=whatever.sav'
```

You may or not want to capture the output of the command, with spawn's
arguments.

But it does not have to be a savefile. You could do

```
spawn,'idl -e "print,acos(-1d0)"'
```

Or run a batch file:

```
spawn,'idl something.pro'
```

On 24 Sep., 05:17, Paulo Penteado <pp.pente...@gmail.com> wrote:
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> into a string, and give that to spawn.
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> spawn,'idl -rt=whatever.sav'
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> You may or not want to capture the output of the command, with spawn's
> arguments.
>
> But it does not have to be a savefile. You could do
>
> spawn,'idl -e "print,acos(-1d0)"'
>
> Or run a batch file:
>
> spawn,'idl something.pro'

Thank you. Now I understand it.

Regards

CR