

---

Subject: Re: itools (mouse) events

Posted by [Michael Galloy](#) on Wed, 05 Mar 2008 06:11:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

sjwelch wrote:

> I'm using iplot to construct a 2D scatter plot. What I want to do is  
> register a listener of some sort for mouse events such that when the  
> user clicks on a point in the plot, the coordinates of that point are  
> returned.  
>  
> I've just spent an hour or so pouring through the itools code, looking  
> at the messaging system and I just can't (quickly at least) figure out  
> where to start. To which component do I add the observer (tool,  
> dataspace, view, plot)? Do I need to register my observer class  
> somewhere? I know there are a few readers with itools coding  
> experience, any ideas?  
>  
> My experience is that it's very easy to get new stuff into itools  
> (inserting visualisations, etc) I hoped it would be as easy to get  
> stuff out, and it probably is if you know how.

You want to write manipulator. Check out the "Creating a Manipulator"  
section in the Contents > Programmer's Guides > iTools Programming in  
the IDL help.

[http://idlastro.gsfc.nasa.gov/idl\\_html\\_help/Creating\\_a\\_Manipulator.html](http://idlastro.gsfc.nasa.gov/idl_html_help/Creating_a_Manipulator.html)

I would recommend trying the example manipulator in the manual, the  
color table manipulator. I would say this is one of the trickier parts  
of the documented iTools interface (and let's hope you can do what you  
want with the documented interface).

Mike

--

[www.michaelgalloy.com](http://www.michaelgalloy.com)

Tech-X Corporation

Software Developer II

---

---

Subject: Re: itools (mouse) events

Posted by [sjwelch](#) on Thu, 13 Mar 2008 05:13:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Mar 5, 5:11 pm, Michael Galloy <[mgal...@gmail.com](mailto:mgal...@gmail.com)> wrote:

> sjwelch wrote:  
>> I'm using iplot to construct a 2D scatter plot. What I want to do is  
>> register a listener of some sort for mouse events such that when the  
>> user clicks on a point in the plot, the coordinates of that point are

>> returned.  
>  
>> I've just spent an hour or so pouring through theitoolscode, looking  
>> at the messaging system and I just can't (quickly at least) figure out  
>> where to start. To which component do I add the observer (tool,  
>> dataspace, view, plot)? Do I need to register my observer class  
>> somewhere? I know there are a few readers withitoolscoding  
>> experience, any ideas?  
>  
>> My experience is that it's very easy to get new stuff intoitools  
>> (inserting visualisations, etc) I hoped it would be as easy to get  
>> stuff out, and it probably is if you know how.  
>  
> You want to write manipulator. Check out the "Creating a Manipulator"  
> section in the Contents > Programmer's Guides >iToolsProgramming in  
> the IDL help.  
>  
> [http://idlastro.gsfc.nasa.gov/idl\\_html\\_help/Creating\\_a\\_Manipulator.html](http://idlastro.gsfc.nasa.gov/idl_html_help/Creating_a_Manipulator.html)  
>  
> I would recommend trying the example manipulator in the manual, the  
> color table manipulator. I would say this is one of the trickier parts  
> of the documentediToolsinterface (and let's hope you can do what you  
> want with the documented interface).  
>  
> Mike  
> --www.michaelgalloy.com  
> Tech-X Corporation  
> Software Developer II

Thanks Mike,

That was exactly what I needed! Got it doing what I wanted, much appreciated.

---