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Subject: Re: recording macros

Posted by [Ben Tupper](#) on Thu, 19 Jun 2003 21:44:22 GMT

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Reimar Bauer wrote:

> Dear Ben and Liam,  
>  
> with journal only the call of the routines could be saved but what is if it  
> is a widget.  
>  
> For widgets I have in principle a different solution.  
>  
> Now you know which things are changed and you have only to setup the makro.  
> I would suggest to write a procedure as I did. Because then this could be  
> used without any additional routine to reproduce the result it could be  
> archived and the users could add idl commands if they like to do it.  
>

>> If it's run from the command line, could you use journalling, i.e.,  
>>  
>> IDL> journal, 'my\_commands.pro' ; start journalling  
>> IDL> (user enters commands)  
>> IDL> journal ; stop journalling  
>>  
>> To replay the session:  
>>  
>> IDL> @my\_commands.pro  
>>

Thanks Liam and Riemar,

Right now, I don't expect the user to run from the command line since the GUI is available (and, for the user, less intimidating.)

Since the data format doesn't change (it's always an image) I have an advantage over more generic data handling. I think that I could add a RecordMacro method into the event handling to provide. I would have to have a RECORD property/flag that tells the handler when to record the step and when not to. The behavior I hope to see is similar to that of ImageJ (<http://rsb.info.nih.gov/ij/>) . When recording, a simple text editor appears listing the steps taken. Here's an example from ImageJ...

```
> run("Threshold...");  
> setThreshold(48, 170);  
> run("Threshold", "thresholded remaining black");  
> run("Despeckle");  
> run("Add...", "value=25");
```

```
> run("Measure");
```

In the IDL case, each set corresponds to a method which could be called in order by CALL\_METHOD. The trick, I think, might be the arguments, such as the ADD, value = 25. Perhaps the macro should include the object class, the method and any arguments... I don't know what to do with keywords.

```
ClassName Method P1 P2 P3 P4 PN  
HBB_HISTOGRAM SETTHRESHOLD 48 170  
HBB_IMAGE ADD 25
```

I'll have to think about that.

Thanks again,

Ben

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