Subject: Re: help with future application
Posted by Peter Brooker on Wed, 26 Jul 2000 07:00:00 GMT
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Setting up the GUI is a big part, but I also want to be able to program quickly an advanced model. The advanced model might involve solving simulataneous partial differential "diffusion" like equations over a 3D grid. Would IDL be a good choice for solving these equations or would another software be better?

Phillip David wrote:

Phillip David wrote:

> Peter;
>
> In fact, if the primary thing you're looking to do is to code up a GUI,
> you might want to check out TCL (Tool Command Language). It's a
> powerful language if that's all you're trying to do. I haven't used it
> myself, but know of a number of successful projects that use this
> approach, and can work quickly to get the GUI up and running.
>
> Phillip
>
> Peter Brooker wrote:
>>
>> We are presently considering how to handle simulation requirements for
>> future technologies. (Present technologies are handled well by
>> commercial codes). As such, we have access to various internal and
>> universitity codes of which we have the source code. These codes are in
>> C and FORTRAN. The problem is that we have to link these codes together
>> and add GUIs to every thing to make them more user friendly. Also, once
>> a new model appears in the literature, we want to code this up as fast
>> as possible to try this out.
>>
>> I see that IDL could be used to do this. For example, IDL could handle
>> all the input and output with GUIs as well as using CALL_EXTERNAL to
>> execute subroutine forms of all the codes. If IDL is used, then new
>> models could be programmed up very quickly.
>>
>> The question is though, Is IDL the best choice for this linking
>> application? What about MATLAB? How do the Numerics of matrix inversion
>> of MATLAB compare to IDL?
>>
>> thanks-Peter Brooker