
Subject: help with future application

Posted by [Peter Brooker](#) on Wed, 26 Jul 2000 07:00:00 GMT

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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 university 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
