



direct graphics modules into one seamless application.

Most of the time the problems involve the use of color. The object graphics system uses a different color model than the direct graphics system and it is quite difficult to get the two systems to work well together. (This is why I have been emphasising color protection schemes in my IDL courses lately. If your IDL program can't protect its own colors, you are going to be in a world of hurt as you begin running your program along with programs that use object graphics.)

In any case, knowing when and how to use "buffering" is not just an issue with respect to direct verses object graphics. It is also an issue with respect to 8-bit verses 24-bit color with direct graphics. Images, for example, have to be redisplayed on a 24-bit system after the color table has been changed. This can be a "buffering" issue. At least thinking of it as a buffering issue makes it easier to understand, I think. This issue is also becoming more prominent as most computers these days are purchased with 24-bit graphics cards. Are your IDL programs going to run in a 24-bit system?

I have been preoccupied with many of these issues for the past six months or so. In fact, if I weren't distracting myself writing newsgroup articles I would be working on this very chapter in my IDL book!

Those of you who are particularly interested and are as tired (as I am) of waiting for this damn book to be finished can hear my latest thoughts on the subject by attending my IDL Programming Techniques course Nov 18-21 in Columbia, Maryland. About half the course will be devoted to these topics. There are just a few seats left. You can find details on my web page.

I have learned, by the way, that speeding up object graphics is a high priority for the folks at RSI in their next release of IDL.

Cheers,

David

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