
Subject: Re: plotting on a sphere
Posted by [Paul Sorenson](#) on Fri, 12 Jul 2002 02:09:23 GMT
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"Mark Hadfield" <m.hadfield@niwa.co.nz> wrote in message
>
> But XOBJVIEW is rather limited and not extensible.

Actually, XOBJVIEW is a widget object, or more accurately it is a top level base with a widget object inside of it. Because it is object oriented, all of the usual OOP techniques to extend code can be applied. You could probably customize the object's behavior by deriving a new class to suit your needs. Or you could include that object in a program of your own.

The underlying design of XOBJVIEW is a variation of the Bridge design pattern from the Gamma, et al book "Design Patterns." As applied to XOBJVIEW, the pattern separates the GUI widgets that you see on the screen from the object graphics classes that implement their behavior, thus separating interface from implementation.

This is useful if you want to create your own widget "skin" for XOBJVIEW's features. For example, you could probably write your own widget interface in Visual Basic and use the object graphics classes that underly XOBJVIEW for the implementation/behavior of those widgets via ActiveX. (You may need to write some simple wrapper classes to get this done, but I suspect it would not be hard to do.)

-Paul Sorenson

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