Subject: Multi Planar Viewer

Posted by Robbie on Wed, 04 Oct 2006 23:41:30 GMT

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I've been looking at the iTools multi-planar viewer (MPV). This is a tutorial and macro file which is a part of the "iTools challenge". It builds a visualisation so that you can look at the coronal, sagittal and tranverse slices of a 3D image.

http://www.ittvis.com/idl/itools_challenge_tutorial3.asp

I want to use the viewer for medical images, but I have no idea how I would go about solving the following problems with it:

* When the macro starts, there are a lot of things which pop-up and disappear. How do I stop this?
* How would I make it so that clicking on a 2D slice would update the 3D position of the other slices?
* Would I be able to link the 3D position of this volume with a completely different 3D image displayed at the same time?
* Is there a way to link the zoom, so that all 2D slices zoom with the same scale
* Is it possible to hide the iVolume to save confusion for the end user?
* Is there a way to link all the color palettes (*Link all* does nothing)?
* The response of the visualisation is quite slow. Is there any viable way to speed it up, should I use something other than macros for a faster response?

My understanding is that this is too complicated to do in iTools and that it is far easier just to code a MPV from scratch. Would I be correct in this assumption?

Robbie