Subject: Re: 3d device coordinates from a 3D polyline....
Posted by George.millward on Tue, 02 Oct 2012 16:46:16 GMT
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On Tuesday, October 2, 2012 3:22:12 AM UTC-6, alx wrote:
> Le lundi 1 octobre 2012 19:07:22 UTC+2, (inconnu) a écrit :
>
>> On Monday, October 1, 2012 6:32:00 AM UTC-6, David Fanning wrote:
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>
>>>> I have am idlgrpolyline which I can rotate in a 3D view (with the trackball).
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>>>> I want to know the 2D coordinates of this line in the device (ie,the 2D the projection in the
window). Can't figure it out.
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>>> I'm no expert in this area, but I think the 3D to 2D
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>>> conversions of the transformation matrix (which you
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>>
>>> can recover from the trackball) are well known. You
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>>> can read the answer at the bottom of this article,
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>>> for example:
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>>
      http://math.stackexchange.com/questions/336/why-are-3d-
>>>
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>
>>>
>>
>>> transformation-matrices-4x4-instead-of-3x3
>>
>
```

>>> > >> > >>> > >> > >>> > >> >>> Cheers, >> > >>> > >> > >>> > >> > >>> > >> >>> David > >> > >>> > >> > >>> > >> > >>> > >> > >>> > >> >

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>>> --
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>>
>>> David Fanning, Ph.D.
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>>> Fanning Software Consulting, Inc.
>>
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>>> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
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>>
>>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
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>>	Hmm,
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>	So there is nothing in the object graphics system like the 'CONVERT_COORD' routine?
	So there is nothing in the object graphics system like the CONVERT_COOKD Toutine !
> >>	
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>	
>>	George.
>	
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>	
> lr	n Object Graphics and New Graphics you can use "[XYZ]COORD_CONV" and
>	
	ConvertCoord" methods, respectively. The last one being quite similar to the "Convert_Coord" ction in Direct Graphics.
>	
> A	Main.
Alai	n,
und	anks for your helpI'm not using new graphics - this is all object graphics. I've been trying to erstand how [XYZ]COORD_CONV in object graphics relates to all of this - but it's somewhat fusing.
I un	derstand how XCOORD_CONV and YCOORD_CONV are used to map a 2D line to 2D malized space - but I'm wanting the same for 3D
Che	eers
Geo	orge.