
Subject: Surgical simulator created in IDL...

Posted by [Gonzalo Rojas](#) on Wed, 11 Sep 2002 20:00:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi:

Do you know any surgical simulator created in IDL ?... or any other similar 3-D medical system written in IDL ?... or other similar 3-D system written in IDL (non medical) ?... I need an example of such a system, to try to convince a medical imaging related laboratory to use IDL in the neurological surgical simulator project that they have...

Best regards, and thanks in advance...

Gonzalo Rojas

Subject: Re: Surgical simulator created in IDL...

Posted by [Richard Tyc](#) on Wed, 02 Oct 2002 17:07:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

We are developing an IDL application which provides an interface to our Laser Interstitial Thermal Therapy device for treating deep seated brain tumors. The application will accept real-time MRI data and calculate thermal maps for the surgeon to assess treatment performance. We use IDL 's power in DICOM , object graphics, volume rendering, and C-code interaction to achieve what we need to do. Could not imagine doing this without IDL.

Rich

Richard Tyc, P.Eng.
Project Engineer
St. Boniface Hospital Research Center
351 Tache Ave
Winnipeg, Manitoba R2H 2A6
Canada
Tel: (204)237-2557
Fax: (204)231-1164
Email: richt@sbrc.ca

"Gonzalo Rojas" <rojas_gonzalo_news@hotmail.com> wrote in message news:3d7fa0d0\$1_2@nova.entelchile.net...

> Hi:

>

> Do you know any surgical simulator created in IDL ?... or any other
> similar 3-D medical system written in IDL ?... or other similar 3-D system
> written in IDL (non medical) ?... I need an example of such a system, to
> try to convince a medical imaging related laboratory to use IDL in the
> neurological surgical simulator project that they have...
>
> Best regards, and thanks in advance...
>
>
> Gonzalo Rojas
