Subject: Re: Automatic Brain Detection from MRI scans
Posted by David Fenyes on Tue, 04 Jul 2000 07:00:00 GMT
View Forum Message <> Reply to Message

>>>> > "Michael" == Michael Cugley <mjcugley@tigger.medschool.dundee.ac.uk> writes:

   Michael> I've just been given an assignment involving MRI scans of
   Michael> the brain; one of the "wish list" features is being able
   Michael> to automatically detect the brain within each scan.

One of my ex-colleagues as a grad student developed a heuristic
algorithm that seemed to be quite effective, which he used as part of
his thesis research:

Bedell, B.J., Narayana, P.A.: Automatic removal of extrameningeal
tissues from MR images of human brain. J. Magn. Reson. Imag. 6:939-943, 1996.

Bedell, B.J., Narayana, P.A., and Johnston, D.A.: Three-Dimensional
image registration for human brain. Magn. Reson. Med., 35:384-390, 1996.

David.

--
David Fenyes -- _dave_@_fenyes_._net_ -- remove the '_'s for address