Subject: Re: Image thresholding Posted by David Kastrup on Mon, 17 May 1999 07:00:00 GMT View Forum Message <> Reply to Message

David Brennan <9147261b@clinmed.gla.ac.uk> writes:

- > Does anyone know of a fast routine or function for searching through a
- > 3D data set and setting numbers within a predetermined range of values
- > to zero. i.e,

>

> the range is 5 - 10

>

- > A data set contains [0,1,2,3,4,5,6,7,8,9]. It becomes
- > [0,1,2,3,4,0,0,0,0,0]

Well, in Matlab you would write

$$a(find(a >= 5 \& a <= 10))=0;$$

The equivalent in IDL would be a[where((a ge 5) and (a le 10))] = 0

Only that this fails miserably when no members satify the condition. A typical case of idiotic semantics of IDL core functions. So we have to write this as:

w = where((a ge 5) and (a le 10))if w[0] ge 0 then a[w] = 0

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David Kastrup Phone: +49-234-700-5570

Email: dak@neuroinformatik.ruhr-uni-bochum.de Fax: +49-234-709-4209 Institut fi¿½r Neuroinformatik, Universiti;½tsstr. 150, 44780 Bochum, Germany