
Subject: Re: Image thresholding
Posted by [Liam Gumley](#) on Mon, 17 May 1999 07:00:00 GMT
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David Brennan wrote:

> 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]

With all due respect to my esteemed colleagues David Kastrup and David Fanning, I believe the fastest method is as follows:

```
IDL> a = findgen(10)
IDL> print, ((a lt 5) or (a gt 10)) * a
  0  1  2  3  4  0  0  0  0  0
```

Love those Boolean operators....

Cheers,
Liam.

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