
Subject: Re: FIND the indexes of a value in a matrix
Posted by [David Fanning](#) on Tue, 02 Apr 2002 16:34:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

chi-kuei (twcollie@hotmail.com) writes:

> I have a 1000 X 4 matrix. I want to know the position of one value, say,
> 2342, in that matrix. I am able to do this in MATLAB with "find". How can I
> do this in IDL? Is there a command in IDL does this? (I don't see any in the
> help file.) The only thing that I can do is creating for-loops.

In IDL, you use the WHERE function:

```
index = WHERE(matrix EQ 2342, count)
IF count GT 0 THEN print, index, matrix[index]
```

--

David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: FIND the indexes of a value in a matrix
Posted by [chi-kuei](#) on Tue, 02 Apr 2002 21:34:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks a lot.

Chi-Kuei

"David Fanning" <david@dfanning.com> wrote in message
news:MPG.17138b63d0c4008598985b@news.frii.com...

> chi-kuei (twcollie@hotmail.com) writes:

>

>> I have a 1000 X 4 matrix. I want to know the position of one value,
say,

>> 2342, in that matrix. I am able to do this in MATLAB with "find". How
can I

>> do this in IDL? Is there a command in IDL does this? (I don't see any in
the

>> help file.) The only thing that I can do is creating for-loops.

>

> In IDL, you use the WHERE function:

>

> index = WHERE(matrix EQ 2342, count)

> IF count GT 0 THEN print, index, matrix[index]

>
> --
> David W. Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438, E-mail: david@dfanning.com
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
> Toll-Free IDL Book Orders: 1-888-461-0155
