
Subject: Re: using WHERE to search for multiple values
Posted by [Pavel A. Romashkin](#) on Fri, 26 Apr 2002 16:05:01 GMT
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Oh boy. It looks to me that the poster in fact wanted to avoid looping through every element of the array.
Why not try SET_INTERSECTION or what is it called, from David's web site? The one, real fast, that uses HISTOGRAM?
No loops at all. And you can get either the elements that match or the indices.
Good luck,
Pavel

Doug Martin wrote:

```
>  
> I'm trying to do something like the following:  
>  
> w=where(im eq val)  
>  
> with im a byte array (say, 640x480)  
> and val an array (say, 10 to 40 long)  
>  
> I want to find where im is equal to _any_ of the values in val. But,  
> val is not always the same size.  
>  
> Is there a way to do this using one WHERE call? There seems to be a  
> giant time difference between:  
>  
> for i=0,(size(val))[1]-1 do begin  
>   w=where(im eq val(i))  
>   ...  
> endfor  
>  
> and  
>  
> w=where(im eq val(0) or val(1) or val(2) or ...)  
>  
> (but I can't do the above since val has different sizes from call to  
> call)  
>  
> Sorry for the run-on nature of this post.  
>  
> Thanks,  
> Doug
```
