
Subject: Re: Faster way ?

Posted by [Craig Markwardt](#) on Mon, 27 Sep 2004 17:44:30 GMT

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rats@mail.geog.uvic.ca (Rafael Loos) writes:

> Hi, I am trying to find the number of values that are within a range
> ...
> I have an Array that has 3 columns and 5 millions lines.
> Thats what I am doing ...
>
> number = WHERE((Array[1,*] GE Min) AND (Array[1,*] LE Max), geralX)
>
> I am storing the number inside the variable geralX ...
> It is taking 0.23 seconds ... but I want to know if there is a faster
> way to find that ...

If you are doing this many times in a loop and ARRAY is unchanging, it may be worth extracting ARRAY[1,*] into its own variable. That way, you will save the time of extracting each iteration.

If you just want the total number of elements that match your filter, you can use total, as in:

```
filter = (Array[1,*] GE Min) AND (Array[1,*] LE Max)
geralX = total(filter)
```

Good luck,
Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
