
Subject: Re: Where vs Histogram vs ??

Posted by [Andrew Cool](#) on Tue, 22 Oct 2002 00:59:45 GMT

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Hi Pavel,

"Pavel A. Romashkin" wrote:

>

> Alright, so we need a solution in IDL.

> At this array size the slowest portion of the process is not the WHERE

> function as far as I can tell. It is memory reallocation for the main

> array and for the temporary index arrays that IDL creates. Therefore I

> can suggest trying the following approach.

> Allocate it all only once:

>

> ind = ptrarr(n_tags(data_St)

Should this be something like

```
ind = ptrarr(N_Tags(data_st) * 15425228L)
```

given that N_Tags(data_st) only returns a value of 9, which concurs
with Tag_Names(data_st), such that we effectively have

```
ind = ptrarr(9 * 15425228L)
```

Now that's a scary sized ptrarr.

Given that you say :-

> On my machine the RAM used by both structure and pointer index barely

> reaches 1010 Mb, so I have room for further calculations.

and assuming you've used the figure of 15425228, then I obviously
don't

understand your example... ;-)

Would you mind elaborating a bit, in words of one brain cell or less?

Thanks,

Andrew

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