
Subject: Re: Optimizing code for faster calculation

Posted by chris_torrence@NOSPAM on Thu, 13 Mar 2014 13:46:02 GMT

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> This way the lines within the iteration can be changed to
>
>
>
> exceed_subs = where(min_rmse GT rmse_threshold, counter)
>
> if counter GT 0 then modeled_class(exceed_subs) = unmodeled
>
>
>
> Are such changes possible with your code?
>
>
>
> Cheers, Heinz

I would agree with Heinz. Strings in general are slow. Heck, if you only have 200, I would just use a byte array for the modeled_class index values. You can then convert them at the very end (outside of the loop!) to the string values.

Also, not sure what version of IDL you're using (I'm a bit worried that you are using parentheses for indexing, which is never a good sign...), but if you have IDL 8.0 or higher, you could eliminate the "if counter" check by using the NULL keyword to where:

```
modeled_class[WHERE(min_rmse gt rmse_threshold, /NULL)] = unmodeled
```

This will be a "no-op" if none of the values match, and will do the right thing if some of the values match.

Cheers,
Chris
ExelisVIS
