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Subject: Re: Efficient sub array extraction

Posted by [Heinz Stege](#) on Wed, 12 Dec 2012 16:01:29 GMT

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On Tue, 11 Dec 2012 16:00:35 -0800 (PST), markjamie@gmail.com wrote:

> Thanks for your responses. Glad to hear my subscribing was ok. You mention not to use arrays as subscripts - is there a reason for this?

Yes.

There is a big difference between using "subscript ranges", for example

```
range=[10,110]
```

```
subarr=array[range[0]:range[1]]
```

or "array subscripts", for example

```
subscripts=indgen[101]+10s
```

```
subarr=array[subscripts]
```

The results are the same. But using array subscripts is typically slower and needs more memory during the calculation of the subarray. The difference may get very huge when subscribing multidimensional arrays.

The reason probably is similar to the observation, discussed in the article by David Fanning, cited by Phillip M. Bitzer in a previous post within this thread. Please read it.

Heinz

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