Subject: Re: findgen([variable])
Posted by Pavel A. Romashkin on Tue, 12 Dec 2000 17:45:53 GMT
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I am afraid FINDGEN can not take a vector for dimensions. What I would try is either using a vector

```
x = [5, 7]
r = findgen(total(x))
```

which still would allow transparent indexing of R. If I really needed multi D arrays, I'd use EXECUTE and build a command string using dimensions of X:

```
x = [5, 7]
com = 'r = findgen('
for i =0, n_elements(x)-1 do com = com +'x['+string(i)+']'+ $
string(44b*byte(i ne n_elements(x)-1) > 41b)
i=execute(com)
```

EXECUTE is not cute, but I can't come up with anything nicer. I need another cup of coffe :-(

Cheers,
Pavel

Martin Skou Andersen wrote:
>
> Hi...
> I was wondering if I could use findgen with a variable.
> If I in one situation would use a one dimension array and in another
> situation a mutiple dimension array how would i do?
> I have tried with findgen(x), where x could be an integer or an array.
> But when x is an array IDL gives me following error message:
> IDL> r=fltarr(x)+10
> % FLTARR: Expression must be a scalar in this context: X.
> % Execution halted at: $MAIN$
>
> where x is:
> IDL> print,x
> 5 7
> IDL> help,x
> X INT = Array[2]
> Is it posible to make an mutiple dimensional array by using a variable
> such as findgen(x)?
> --
> Thanx in advance
> Martin Skou Andersen

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