Subject: Re: Q:assigning arrays in steps
Posted by korpela on Mon, 08 May 1995 07:00:00 GMT
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In article <3oikmj$mru@harbinger.cc.monash.edu.au>,
Brett Hennig <bretth@lovelace.maths.monash.edu.au> wrote:

> In Fortran90 you can assign arrays like:
> x(0:10)=y(0:40:4)
> where the last 4 is a step increment.
>
> Can this sort of stuff be done with idl?

You could do it this way.....

x(0:10)=y(indgen(11)*4)

A more generic way would be to write a function that returns a range

x(0:10)=y(range(0,40,4))

in fact, here's one now....

```
-  ------------------------------------------------------------ ------------------
Function range,lo,hi,delta

if (n_params(0) lt 2) or (n_params(0) gt 3) then begin
 print,'RANGE-- Incorrect number of parameters'
 return,-9999.0
endif
if (n_params(0) eq 2) then delta=1.0
number=long((float(hi)-float(lo))/float(delta))+1
outrange=float(lo)+findgen(number)*float(delta)
return,outrange
end
-  ------------------------------------------------------------ ------------------
```

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