Subject: Re: How to produce N members between a and b with a determined spacing?
Posted by a.mozafari1211 on Mon, 16 Nov 2009 14:52:45 GMT
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On Nov 16, 6:43 am, Steve Eddins <Steve.Edd...@mathworks.com> wrote:
> ali mozafari wrote:
>> Hi there
>> I need to produce N members between a and b with a determined spacing.
>> In MATLAB it is work like this:
>> Data=a:spacing:b
>> How can we do this in IDL?
>> Any help highly would be appreciated
>> A.
>
> If you specify both N and the spacing then you've overconstrained your
> problem. The MATLAB syntax you gave spacing the spacing but not N.
> This MATLAB function call specifies N but not the spacing:
>
> Data = linspace(a, b, N);
>
> If you really want to specify both N and the spacing then the last
> element of Data might not be exactly b.
>
> Say which one you want and then the IDL folks here can tell you how to
> do it.
>
> ---
> Steve Eddinshttp://blogs.mathworks.com/steve/

Thank you David. How if we don't know (b). I mean producing N numbers
with Spacing (s) and initial number (a).
A.

Subject: Re: How to produce N members between a and b with a determined spacing?
Posted by David Fanning on Mon, 16 Nov 2009 15:02:28 GMT
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ali mozafari writes:

> Thank you David. How if we don?t know (b). I mean producing N numbers
> with Spacing (s) and initial number (a).

numbers = Indgen(n) * spacing + a

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: How to produce N members between a and b with a determined spacing?
Posted by David Fanning on Mon, 16 Nov 2009 15:05:18 GMT
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ali mozafari writes:

> Thank you David. How if we don?t know (b). I mean producing N numbers
> with Spacing (s) and initial number (a).

And, if you wanted to N numbers between A and B:

    numbers = Scale_Vector(Findgen(N), a, b)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: How to produce N members between a and b with a determined spacing?
Posted by a.mozafari1211 on Tue, 17 Nov 2009 09:02:05 GMT
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On Nov 16, 7:05 am, David Fanning <n...@dfanning.com> wrote:
> ali mozafari writes:
>> Thank you David. How if we don?t know (b). I mean producing N numbers
>> with Spacing (s) and initial number (a).

>
> And, if you wanted to N numbers between A and B:
>
>   numbers = Scale_Vector(Findgen(N), a, b)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thank you David.
Cheers