
Subject: Re: step function

Posted by [Michael Galloy](#) on Tue, 05 Jul 2011 14:33:22 GMT

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On 7/5/11 4:07 am, sid wrote:

> Hi all,

> Is there a standard programme for using step function in idl.

> If so please let me know.

> thank you

> Sid

You can use the comparison operators directly (maybe with some arithmetic). Like:

$y = x \text{ gt } 5.$

This makes the value of y be 1. for values of x greater than 5. and 0. otherwise (i.e., less than or equal to 5.). If you don't want the value of the step-function to be 0. and 1., then use some arithmetic:

$y = (x \text{ gt } 5) * (\text{large_value} - \text{small_value}) + \text{small_value}$

Mike

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Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Tech-X Corporation

Subject: step function

Posted by [sid](#) on Tue, 05 Jul 2011 16:24:52 GMT

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Hi all,

Please let me know if there is any standard program to use step function.

thank you

Sindhuja

Subject: Re: step function

Posted by [Gray](#) on Tue, 05 Jul 2011 20:37:17 GMT

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On Jul 5, 12:24 pm, sid <gunvicsi...@gmail.com> wrote:

> Hi all,
> Please let me know if there is any standard program to use step
> function.
> thank you
> Sindhuja

In what context do you want to use a step function?
