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

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