Subject: Re: Basic Array Subscripting Question
Posted by greg.addr on Thu, 31 May 2012 10:20:39 GMT
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They're not the same. The second gives you [array[412,18],array[413,19]], which is often needed - the index arrays are enumerated pairwise. I think this means that when there's a colon present, the whole indexing expression is treated differently.

What I find odd is that you can make an expression a=b[3:5] giving b[[3,4,5]], but you can't have a=[3:5] giving a=[3,4,5], which would be very useful.

greg

Subject: Re: Basic Array Subscripting Question
Posted by Heinz Stege on Thu, 31 May 2012 11:25:52 GMT
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On Thu, 31 May 2012 02:38:59 -0700 (PDT), Rob wrote:

> This is very basic stuff but for some reason it's leaving me stumped.
>
> I always thought that:
>
> array[412:413, 18:19] was equivalent to array[[412,413], [18,19]]
>
> but the first returns a 2,2 array (which I want) whilst the second
> only returns a 2 element array.
>
> <Expression> DOUBLE = Array[2, 2]
> <Expression> DOUBLE = Array[2]
>
> Any idea what I'm doing wrong?
>
There is a third way which is very similar to your 2nd expression, but
returns the 2 by 2 array:
  b=array[[412,413], [18,19], 0]
or
  b=array[[412,413], [18,19], *]

Heinz

Subject: Re: Basic Array Subscripting Question
Posted by rjp23 on Fri, 01 Jun 2012 13:41:30 GMT
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On May 31, 12:25 pm, Heinz Stege <public.215....@arcor.de> wrote:
> There is a third way which is very similar to your 2nd expression, but
> returns the 2 by 2 array:
> b=array[[412,413], [18,19], 0]
> or
> b=array[[412,413], [18,19], *]
>
> Heinz

Ah that's why it was confusing me. That behaviour and the behaviour I
posted earlier don't seem consistent with each other, do they?
