
Subject: Re: Basic Array Subscripting Question
Posted by [Lajos Foldy](#) on Fri, 01 Jun 2012 14:58:15 GMT
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On Thursday, May 31, 2012 11:38:59 AM UTC+2, 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?

This is documented in 'Combining Array Subscripts':

When combining two subscript arrays, each element of the first subscript array is combined with the corresponding element of the second subscript array. The two subscript arrays must have the same number of elements. The resulting subscript array has the same number of elements as its constituents. For example, the expression A[[1, 3], [5, 9]] yields the elements A[1,5] and A[3,9].

regards,
Lajos
