Subject: Re: Array slices
Posted by Anne[1] on Thu, 02 Feb 2006 16:53:10 GMT
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To convert everything to a [3,3] array just use the REFORM function, ie
arr=reform(arr). This will get rid of and redundent dimensions.
Actually I find it more annoying when the [3,3,1] array gets converted
to a [3,3] array since that is usually harder to deal with!
Anne
Richard Edgar wrote:
> Greetings,
>
> I'm having trouble with slices of 3D arrays in IDL, and I suspect that
> it's something I don't understand about the way IDL interprets things.
> My problem can be summed up as follows:
>
> IDL> arr=DINDGEN(3,3,3)
> IDL> help,arr
> ARR DOUBLE = Array[3, 3, 3]
> IDL> help,arr[*,*,1]
> <Expression> DOUBLE = Array[3, 3]
> IDL> help,arr[*,1,*]
> <Expression> DOUBLE = Array[3, 1, 3]
> IDL> help,arr[1,*,*]
> <Expression> DOUBLE = Array[1, 3, 3]
>
> My questions are:
> a) Why don't all three slices return a [3,3] array?
> b) How do I eliminate the 'useless' dimension?
>
> I typically have routines which want a 2D array, which I only get from
> the first of these. They (naturally) choke when given a 3D array, one of
> whose dimensions is unity.
>
> Thanks in advance,
>
> Richard