## Subject: Re: get IDL to issue warning or throw error for mismatched arrays
Posted by Markus Schmassmann on Fri, 17 Jun 2016 12:50:53 GMT

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On 06/16/2016 06:43 PM, Dick Jackson wrote:
> On Thursday, 16 June 2016 07:59:02 UTC-7, Markus Schmassmann wrote:
>> is there any way to get IDL to issue a warning or throw an error in
>> for mismatched arrays like those below?
>>
>> indgen(2,2)+indgen(3,3)
> Here is the behaviour we see, that the result is the size of the
> "overlapping" of the two arrays: IDL> help,indgen(2,2)+indgen(3,3)
> <Expression> INT = Array[2, 2]
>
> I was hopeful that COMPILE_OPT STRICTARRSUBS would help. [...]
> but...
>
> IDL> help,indgen(2,2)+indgen(3,3) <Expression> INT = Array[2, 2]
>
> It does not change the behaviour with different-shaped arrays. If
> you have to test arrays a and b for differing shape, a simple check
> is:
>
> IF ~Array_Equal(Size(a, /DIMENSIONS), Size(b, /DIMENSIONS)) THEN ...
>
> Hope this helps,
unfortunately this is not news for me, I'm just looking for a way to
catch my own programming errors without many otherwise unnecessary tests