Subject: tensor multiplication
Posted by Daniel Luebbert on Wed, 17 May 2000 07:00:00 GMT
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Hi,

does anybody out there know an efficient and elegant way (i.e., without for-loops) to implement a tensor multiplication in IDL?

What I mean is this:
IDL can do a matrix multiplication, e.g. if I do
c = indgen(3,4)
d = indgen(4)
then for
help, c#d
I get
LONG ARRAY[3],
and that's what I expect.

But now, when I take one more dimension, like c = indgen(2,3,4) d = indgen(4) then help, c#d gives an error! (incompatible matrix dimensions...). What a would like to get is obviously an ARRAY[2,3]

Does anybody know how?

Daniel

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