
Subject: Re: indexing

Posted by [Jeremy Bailin](#) on Thu, 02 Apr 2009 12:25:56 GMT

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On Apr 2, 1:34 am, Chris <beaum...@ifa.hawaii.edu> wrote:

> I would have done something like this, accomplishing the summation in
> two steps

>

> x = [3, 2, 3]

> y = [4, 1, 7]

> sum = total(array[:,*,1:3], 3) ; summed along z direction

> answer = total(sum[x,y]) ; summed over x,y pairs

>

> chris

Yeah, that definitely works nicely for total (I like the fact that it doesn't need any internal index vectors, and that the intermediate stage is a constant size independent of npair and nz), which is what I'm doing today. But it wouldn't work for the more generic case where I want to do something else to those values - for example, I've needed to do the equivalent with median before, and that won't work as a 2-step process.

-Jeremy.
