Subject: Re: adding sparse arrays
Posted by nivedita.raghunath on Thu, 07 Jun 2007 14:32:52 GMT
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Hi all,

Thanks for the suggestions.

The arrays that I'm working with are really huge so there's no option of A+B. I cannot convert to full matrix form using fulstr and have to work only with the sparse arrays A and B to get another sparse array (A +B). The non-zero elements of the two arrays are in different index positions (ija), so the sa vectors cannot be added directly.

Under these constraints, whats the best (and the fastest) way to add them?

-Nivedita

On Jun 7, 4:36 am, Paolo Grigis <pgri...@astro.phys.ethz.ch> wrote:
> nivedita.raghun...@gmail.com wrote:
>> Hello all,
>
>> How do I add two sparse arrays? The fact that a sparse function to add
>> doesn't exist makes me think its pretty simple, but I just can't get
>> it. I do not want to use any loops.
>
> Well, it depends where the non-zero, non-diagonal elements of the two
> arrays are. If they are located in the same positions, you just need
> to add the sa vectors while keeping the ija vectors fixed.
>
> Ciao,
> Paolo
>
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>
>
>> Thanks in advance.
>
>> -Nivedita- Hide quoted text -
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