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Subject: Re: Chunk Array Decimation

Posted by [JD Smith](#) on Thu, 10 Oct 2002 00:19:32 GMT

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On Wed, 09 Oct 2002 17:18:45 -0700, JD Smith wrote:

> On Mon, 07 Oct 2002 08:51:21 -0700, Jaco van Gorkom wrote:

>

>> "JD Smith" <jdsmith@as.arizona.edu> wrote in message

>> news:pan.2002.10.04.22.07.45.664757.24772@as.arizona.edu...

>>

>> JD, we mortals need a tutorial or two in order to even begin to

>> understand that Sparse Array trick you pulled there. My humble

>> contribution to this thread is to propose an additional and hopefully

>> simpler (or, more intuitive) algorithm: let us first sort the data

>> array based on the index array, and then use a cumulative total to do

>> the chunking.

>

> Well, think of an array multiplication of a very large array on a very

> long data vector. Consider only the first row. If almost everything in

> the first column is 0., but a few choice 1.'s, that is the same as

> selecting those elements of the data vector and totaling them. If you

> really had to do all the null operations like:

Sorry, meant to say:

"if almost everything in the first \*row\* is 0.,..."

JD

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