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Subject: Re: how to sort data based on other sorted data

Posted by [pgrigis](#) on Thu, 10 Jan 2008 19:16:29 GMT

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On Jan 10, 1:23 pm, placebo <willie.mad...@gmail.com> wrote:

>> What are the minimum and maximum values of your coordinate data?

>

> The range for the data is small, nanometer sizes. My data files

> represent the coordinates for atom positions in a crystal lattice.

> The precision in the coordinates goes out to 15 or so decimal places,

> for ex: 4.271762465783982 nm.

It seems like you are getting dangerously close to the Planck scale there, so don't be surprised if your results get a little fuzzy... ;-)

Cheers,

Paolo

>

>> The idea is to merge your array of coordinates in a single vector that

>> can be sorted.

>> Example:

>> color=4700000

>> Blue=fix(color/2.^16)

>> Green=fix((color mod 2.^16)/2.^8)

>> Red=fix((color mod 2.^16) mod 2.^8)

>> Print,Blue,Green,Red

>

> I see how the example works with Integers, but I need to find what

> "color" would be for each row of data (floating point). I think the

> "MOD" function may pose a problem here, although I've not played

> around with it yet.

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