## Subject: Re: How to spot maximum x value AND corresponding y value?
Posted by penteado on Tue, 16 Feb 2010 15:26:56 GMT

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On Feb 16, 10:23 am, "M." <markus_men...@yahoo.de> wrote:
> I have an input file (ascii) containing coordinate data (three
> columns; x, y, z).
> I want to compute a vector from one point to another. I know the
> vector should go from the maximum x value to the minimum y value (or
> vice versa). I took the FLOAT function to find out the min and max
> values. But how can I find out the corresponding x and y values for my
> y_min and x_max values?

Your question is not very clear, but I am guessing that what you want
is to find out which points have the maximum/minimum x and y values.
Which would be something like:

 x_max_val=max(x,x_max_ind,min=x_min_val,subscript_min=x_min_ ind)
 y_max_val=max(y,y_max_ind,min=y_min_val,subscript_min=y_min_ ind)

Which would give you the maximum value of x in x_max_val and the index
where that occurs in x_max_ind. That is,
x_max_val==x[x_max_ind]==max(x).