Subject: Re: matrix operation
Posted by Gray on Thu, 23 Dec 2010 16:08:47 GMT
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On Dec 23, 10:50 am, Paolo <pgri...@gmail.com> wrote:
> For large values of N, the methods you mentioned are likely
> to be slower then a simple addition/multiplication combo.
>
> x'=a1*x+b1*y+c1*z+d1
> y'=a2*x+b2*y+c2*z+d2
> z'=a3*x+b3*y+c3*z+d3
>
> Ciao,
> Paolo
>
> On Dec 23, 9:39 am, Gray <graylikethec...@gmail.com> wrote:
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>
>> Hi all,
>
>> I'm just getting really confused about how to do this properly. Can
>> you all help?
>
>> I have a list of x y coordinates, and I want to perform an affine
>> transformation on them, so I have a 3xN array of (xi,yi,1) and a 3x3
>> matrix for my transformation, and I want to end up with a 3xN array of
>> (x'i,y'i,1). How can I transform all my coordinates at once? I know
>> my tools are #, ##, transpose/reform, and matrix_multiply, but I seem
>> to be chronically unable to sort this out. Thanks!
>
>> --Gray

Well... I guess that makes sense. :)