
Subject: Re: Can my big for loop exploit array operations?

Posted by [JTMHD](#) on Wed, 21 Oct 2015 12:21:01 GMT

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Hi Dick,

For the test data (256^3) I saw a fantastic speed-up using both methods you suggested - apparently as good as 35x faster for the first method (using the negative indexing) and about 60x faster with the convolution.

I was expecting a solution in the spirit of your first answer, exploiting the array indices. It hadn't occurred to me at all to use convolution and was immensely helpful to see how this could be used going forward. I'm now dealing with such huge data that I can't afford to be a lazy programmer so its good to see these different approaches (in the past I've not had to worry about optimization so much!)

Thank you for your help,

Jonathan
