
Subject: Force Field

Posted by [panblosky](#) on Tue, 13 Sep 2005 17:56:45 GMT

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Hi all,

I have a potential field on a grid (it has periodic boundary conditions), and I want to calculate the acceleration (force field) of this, i.e., $f = -\text{grad}(\text{potential})$, I need the gradient of the potential . I wrote a procedure, but it has too many for loops in it. Does any body know a fast and smart way to do this?

Thanks!!

Andres
