
Subject: generating symmetric array from function?

Posted by [Nick Bower](#) on Mon, 11 Dec 2000 14:28:35 GMT

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how do I generate symmetric 2D array from a function of one variable?

eg. say i want the sinc function in 3 dimensions - how do i generate this symmetrically in both x and y dimensions?

presumably, the last step would be a shift by $N/2$ in both x and y directions to move the origin to the centre of the array, but i'm just not sure what comes before this and how to do it without nested loops over the array elements.

cheers, nick.
