
Subject: Countour plot of function zeros

Posted by [Ed Wright](#) on Thu, 05 Feb 2004 17:08:12 GMT

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To: IDL

From: Ed Wright

A question concerning contour plots. Does IDL have a call to easily plot the zero level curves of an arbitrary function, i.e. given $f(x,y)=C$ with C some constant, plot $g(x,y)=0$ where $g(x,y)=f(x,y)-C$.

Example: Can I plot the zeros of function $g(x,y) = x^2 + y^2 - 4$. If so, can I create a similar plot of a surface $g(x,y,z)$?

Such functionality is fairly trivial in Mathematica and MATLAB.

As always,
Ed Wright

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