
Subject: extrapolation of surface

Posted by [Alexander Rauscher](#) on Wed, 01 Aug 2001 15:46:00 GMT

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hi everybody,

i have a function $f(x,y)$ which is $f(x,y) \neq 0$ on a more or less circular region which lies within an e.g. 128x128 array and 0 outside this region. now i want to extrapolate this function (over a range of e.g 10 pixles) into the region outside this circular region without the result being influenced by all the $f(x,y)=0$.

sfit also takes into account where $f(x,y)=0$, which makes the fitted surface $\text{fit}(x,y)$ decrease towards the edge of my array which is not what i want. (knowing from the shape of the original $f(x,y)$ that it should increase...)

anyone an idea what to do?

thanks a lot in advance
