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Subject: Re: Interpolate the NaN in 2D array.  
Posted by [wlandsman](#) on Wed, 22 Jul 2015 19:11:48 GMT  
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On Wednesday, July 22, 2015 at 2:04:53 PM UTC-4, Paul van Delst wrote:

> On 07/22/15 13:14, a\*\*@gmail.com wrote:

>> Hi everyone,

>>

>> I have a question about 2D interpolation with NaN inside. My doubt is

>> how I proceed to interpolate NaN inside the 2D array.

>

> Filter them out?

>

> INTERPOL has a /NAN keyword. But you can do it yourself too.

INTERPOL() is only for 1-d data I believe. But I would probably start by averaging the result of using INTERPOL() over a row, and INTERPOL() over a column. A more "correct" way would be to use the very powerful -- and very complicated -- GRIDDATA() function, but this is only for the ambitious.

For a similar problem I have used the maskinterp package by Joe Harrington (<https://physics.ucf.edu/~jh/ast/software.html> ) but again it is not very user-friendly. However, in my case I had to make sure that I did not bias my results when interpolating over multiple NaN values, and this package is good for this.

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