
Subject: Re: Placing constraints on Interpol
Posted by [mattf](#) on Tue, 04 Sep 2007 14:22:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 3, 3:23 pm, Vidhya <vidh...@gmail.com> wrote:

> Dear All,
>
> Is it possible in IDL to place constraints while interpolation such
> that the elements should not be zero and all the elements add up to 1?
>
> Any ideas?
>
> Vidhya

Generally, natural constraints on interpolation are -local- (e.g., constraints on the value or slope of interpolated data), but the constraints you're talking about sound global. This suggests that you should work backwards-- start out with an approximate global solution that satisfies your global constraints, and then make small variations on that starting solution (based on local data) that maintain the constraints.
