
Subject: Re: interpolate weirdness

Posted by [rogass](#) on Fri, 28 Feb 2014 16:31:11 GMT

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Dear Helder,

thank you for clarification. The situation has changed. Desired values are now far away from boundaries and I can use something like this:

```
function cr_interpol,dat,mat_old,mat_new,cubic=cubic

ndim = size(dat,/ndimensions)
dims = size(dat,/dimensions)
case (1b) of
ndim eq 1 : begin
    newx = (interpol(ulindgen(dims[0]),(mat_old[0,*])[*],(mat_new[0,*]) [*]))[*]
    result = interpolate(dat[*],newx,/grid,cubic=cubic)
end
ndim eq 2 : begin
    newx = (interpol(ulindgen(dims[0]),(mat_old[0,*])[*],(mat_new[0,*]) [*]))[*]
    newy = (interpol(ulindgen(dims[1]),(mat_old[1,*])[*],(mat_new[1,*]) [*]))[*]
    result = interpolate(dat,newx,newy,/grid,cubic=cubic)
end
ndim eq 3 : begin
    newx = (interpol(ulindgen(dims[0]),(mat_old[0,*])[*],(mat_new[0,*]) [*]))[*]
    newy = (interpol(ulindgen(dims[1]),(mat_old[1,*])[*],(mat_new[1,*]) [*]))[*]
    newz = (interpol(ulindgen(dims[2]),(mat_old[2,*])[*],(mat_new[2,*]) [*]))[*]
    result = interpolate(dat,newx,newy,newz,/grid,cubic=cubic)
end
endcase
return,result
end
```

Cheers

Chris
