Subject: Re: map_set miracle II
Posted by R.Bauer on Sat, 22 Oct 2005 18:37:37 GMT
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James Kuyper wrote:

> Reimar Bauer wrote:
>> Hi all,
>>
>>
>> I came acrosse to a nice miracle by solving an other problem.
>>
>> What do you expect by this both calls?
>>
>> cheers
>> Reimar
>>
>>
>>
>> p0lat=0.0001
>> map_set,p0lat,0,0,/mercator,/conti,$
>> pos=[0.190476,0.235690,0.707143,0.601010],$
>> con_color=0,$
>> mlinethick=2,mlinestyle=0,isotropic=0,$
>> central_azimuth=0,$
>> clip=1,limit=[-90E,0.0E,90.E,360E]
>>
>>
>> p0lat=0
>> map_set,p0lat,0,0,/mercator,/conti,$
>> pos=[0.190476,0.235690,0.707143,0.601010],$
>> con_color=0,$
>> mlinethick=2,mlinestyle=0,isotropic=0,$
>> central_azimuth=0,$
>> clip=1,limit=[-90E,0.0E,90.E,360E]
>
> I don't expect much of anything from either call.
>
> You're setting up a Mercator projection, which projects the north pole
> to +infinity and the south pole to -infinity. Then you tell it to
> produce a plot of finite size using that projection, where the north
> pole is at the top of the plot and the south pole is at the bottom of
> the plot. I don't expect it to work, and I wouldn't be surprised by any
> particular failure mode.

ok the limit set default for mercator are
limit= [-80, -180, 80, 180]

but the second seems to work just only if I like to center it it seems to ignore the size by position. And this is surprising because 0.0001 isn't quite different from 0. It tells no error, no warning.

Reimar