Subject: Re: Writing eps files from iplot
Posted by John Mariska on Wed, 23 Dec 2009 17:10:32 GMT

pp wrote:
> On Dec 23, 2:00 pm, John Mariska <mari...@nrl.navy.mil> wrote:
>> Producing decent eps plots for publication requires extensive control
>> over all aspects of the plot, such as the x- and y-sizes, the font
>> sizes, etc. I've always exercised this control using direct graphics.
>> The downside, of course, is what you see on the screen is not what ends
>> up in the eps file when you change the device--something we have all
>> asked to be fixed for so many years I've lost count. Once or twice a
>> year, I try to use itools to do publication quality plots. I just tried
>> again, and things have improved a bit, but not enough. Does anyone know
>> how to specify the x- and y-sizes of the bounding box in an eps file
>> written from an iplot window? All I can seem to get is 6"x4".
>>
>> John M.
>
> All publication plots I made in recent years were done with the
> itools. I choose the aspect ratio with the dimensions keyword. The
> bounding box is the same as the window area (assuming you are
> exporting the whole window), so the placement of things in it is
> determined by the margins used.
>
> With only vector elements in the plot, all that matters is the aspect
> ratio and the relative dimensions of the things in the plot (fonts,
> line widths, symbol sizes, margins), not an absolute size, since
> afterwards the eps can be rendered at any scale.

Relative dimensions do help quite a bit, but it is frustrating that the
units are device units. If one can work in cm or inches, then deciding
on things like font sizes and other layout parameters is much easier.
One does have to get all the plot elements with the right relative sizes
so that they all scale well together.

I'm also still trying to figure out how to do a filled circle for data
points in an iplot.