Subject: Draw sharp lines using Painter
Posted by koldo on Wed, 02 Nov 2011 12:54:14 GMT
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Hello all

I would like to draw sharp lines using Painter.

Using this code:
w.Move(x0, y0).Line(x0, y0).Line(x1, y1).Stroke(0.3, color);
I get the right line:

Comparing with the left one (1 pixel width), left one seems sharper. Changing Stroke() width I do
not get a sharper view.

File Attachments
1) sharp.PNG, downloaded 693 times

Subject: Re: Draw sharp lines using Painter
Posted by cbpporter on Wed, 02 Nov 2011 13:04:58 GMT
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You need to pass coordinates with an added 0.5 for them to look sharp. The integer coordinate is
actually at the "border between two pixels", that is why it is rendered as such. Adding 0.5 places it
in the "middle" of the pixel.

So don't draw a box from (0, 0) to (9, 9), draw if from (0.5, 0.5) to (9.5, 9.5).

Subject: Re: Draw sharp lines using Painter
Posted by koldo on Wed, 02 Nov 2011 15:11:48 GMT
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Great!

Thank you.

Subject: Re: Draw sharp lines using Painter
Posted by cbpporter on Wed, 02 Nov 2011 15:13:08 GMT

Did it work?

Subject: Re: Draw sharp lines using Painter
Posted by koldo on Wed, 02 Nov 2011 16:04:43 GMT

cbpporter wrote on Wed, 02 November 2011 16:13Did it work?Yes, of course.