
Subject: Re: Painter bug?

Posted by [Mindtraveller](#) on Sat, 12 Mar 2011 21:14:05 GMT

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Thank you for the replies. The problem is clear now.

Currently I see the only solution, and I'm not really shure you want it.

Anyway. We could use temporary surface which stores color + alpha for a sequence of operations. On writing a pixel, it's color is calculated in usual way, but alpha is added to the current alpha value. E.g. we will have alpha = 256 in previous Mirek's example. Rendering this temporary surface to actual image will give solid black color which is absolutely right result.

This could look like this:

painter

```
.BeginInit()  
/*draw polygon 1*/  
/*fill polygon 1*/  
/*draw polygon 2*/  
/*fill polygon 2*/  
/*draw polygon 3*/  
/*fill polygon 3*/  
.EndInit()
```

;

UPDATE: OK, here is quick and dirty "back-end" solution. Let's imagine we draw polygons in scaled coordinates:

painter.Scale(scale);

To avoid polygon stitching you may simply move polygon adjacent vertices with $0.5/scale$ towards neighbouring polygon, i.e.

painter.Move(x[i]+.5/scale,y[i]);

It moves polygon vertex to the next physical pixel if it's position is actually between pixels.

This technique seems like eliminating visual artifacts with U++ rendering of adjacent polygons.
