Subject: MT + Subpixel appear incompatible in Painter
Posted by Tom1 on Wed, 09 Jan 2019 09:51:21 GMT
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Hi,

It seems that running Painter with MT using subpixel rendering causes erroneous results. This can be seen on PainterExamples when Both MT and Subpixel are enabled.

Best regards,

Tom

Subject: Re: MT + Subpixel appear incompatible in Painter
Posted by mirek on Thu, 10 Jan 2019 11:19:46 GMT
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It is now fixed, but for now the performance is poor. I will look into it again soon.

Mirek

Subject: Re: MT + Subpixel appear incompatible in Painter
Posted by Tom1 on Thu, 10 Jan 2019 13:55:51 GMT
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Hi Mirek,

Yes, it works now, but like you said: the performance is poor.

I kind of accidentally discovered this problem while trying to find a test case for the random text rendering problem I also reported yesterday. While I'm not currently using sub-pixel in any real application, I thought the issue was worth pointing out.

Thanks and best regards,

Tom

Subject: Re: MT + Subpixel appear incompatible in Painter
Posted by mirek on Thu, 10 Jan 2019 15:29:17 GMT
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Tom1 wrote on Thu, 10 January 2019 14:55Hi Mirek,

Yes, it works now, but like you said: the performance is poor.

I kind of accidentally discovered this problem while trying to find a test case for the random text rendering problem I also reported yesterday. While I'm not currently using sub-pixel in any real application, I thought the issue was worth pointing out.

Thanks and best regards,

Tom

Performance fixed. Please test.

(Now onto that text mystery...)

Mirek

Subject: Re: MT + Subpixel appear incompatible in Painter
Posted by Tom1 on Thu, 10 Jan 2019 16:21:36 GMT
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Hi,

Thanks Mirek. I will test this when back in the office tomorrow!

Best regards,

Tom

Subject: Re: MT + Subpixel appear incompatible in Painter
Posted by Tom1 on Fri, 11 Jan 2019 08:16:33 GMT
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Hi,

That's fast! Now with sub-pixel enabled, MT gives a performance boost of 4.4 compared to ST. So, on my current hardware (Core i9-9900K, 8C16T) the performance difference between AA and sub-pixel is only 12 % in favor of AA. Beautiful!

(While this is unlikely to be important, the NoAA on MT is terribly slow. AA and NoAA is on par on ST.)

Thanks and best regards,

Tom