
Subject: Re: BufferPainter::Clear() optimization
Posted by [Oblivion](#) on Sun, 17 May 2020 20:00:14 GMT
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Here's results on (AMD FX, linux x64):

GCC:

TIMING HUGE memset : 113,98 ms - 5,70 ms (114,00 ms / 20), min: 5,00 ms, max: 6,00 ms,
nesting: 0 - 20
TIMING HUGE Fill3 : 81,98 ms - 4,10 ms (82,00 ms / 20), min: 4,00 ms, max: 5,00 ms,
nesting: 0 - 20
TIMING HUGE Fill : 145,98 ms - 7,30 ms (146,00 ms / 20), min: 7,00 ms, max: 8,00 ms,
nesting: 0 - 20
TIMING HUGE memsetd : 125,98 ms - 6,30 ms (126,00 ms / 20), min: 6,00 ms, max: 7,00 ms,
nesting: 0 - 20
TIMING memset : 1,24 s - 1,24 us (2,23 s / 1000000), min: 0,00 ns, max: 1,00 ms,
nesting: 0 - 1000000
TIMING Fill3 : 2,01 s - 2,01 us (3,01 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING Fill2 : 2,43 s - 2,43 us (3,42 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING Fill0 : 2,77 s - 2,77 us (3,76 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING Fill : 2,72 s - 2,72 us (3,71 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING memsetd : 1,80 s - 1,80 us (2,80 s / 1000000), min: 0,00 ns, max: 1,00 ms,
nesting: 0 - 1000000

CIANG:

TIMING HUGE memset : 120,98 ms - 6,05 ms (121,00 ms / 20), min: 5,00 ms, max: 7,00 ms,
nesting: 0 - 20
TIMING HUGE Fill3 : 81,98 ms - 4,10 ms (82,00 ms / 20), min: 4,00 ms, max: 5,00 ms,
nesting: 0 - 20
TIMING HUGE Fill : 130,98 ms - 6,55 ms (131,00 ms / 20), min: 6,00 ms, max: 7,00 ms,
nesting: 0 - 20
TIMING HUGE memsetd : 133,98 ms - 6,70 ms (134,00 ms / 20), min: 6,00 ms, max: 7,00 ms,
nesting: 0 - 20
TIMING memset : 1,49 s - 1,49 us (2,39 s / 1000000), min: 0,00 ns, max: 1,00 ms,
nesting: 0 - 1000000
TIMING Fill3 : 1,74 s - 1,74 us (2,64 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING Fill2 : 1,62 s - 1,62 us (2,52 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:
0 - 1000000
TIMING Fill0 : 2,00 s - 2,00 us (2,90 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:

0 - 1000000

TIMING Fill : 2,06 s - 2,06 us (2,96 s / 1000000), min: 0,00 ns, max: 1,00 ms, nesting:

0 - 1000000

TIMING memsetd : 2,18 s - 2,18 us (3,08 s / 1000000), min: 0,00 ns, max: 1,00 ms,
nesting: 0 - 1000000

Best regards,
Oblivion
