
Subject: Re: BufferPainter::Clear() optimization
Posted by [Didier](#) on Fri, 15 May 2020 21:45:21 GMT
[View Forum Message](#) <> [Reply to Message](#)

Here is what I get on my Linux and Ryzen 2700
Du to unstable results with 10 loops, I also placed results for 1000 loops

The new MemSet() is definitely really a good addition :)

==== CLANG X64 ====

TIMING MemSet : 10.00 ms - 999.98 us (10.00 ms / 10), min: 1.00 ms, max: 1.00 ms,
nesting: 0 - 10
TIMING SSEFill2 : 12.00 ms - 1.20 ms (12.00 ms / 10), min: 1.00 ms, max: 2.00 ms,
nesting: 0 - 10
TIMING CoFill : 21.00 ms - 2.10 ms (21.00 ms / 10), min: 2.00 ms, max: 3.00 ms, nesting:
0 - 10
TIMING Fill : 30.00 ms - 3.00 ms (30.00 ms / 10), min: 3.00 ms, max: 3.00 ms, nesting: 0
- 10
TIMING memsetd : 30.00 ms - 3.00 ms (30.00 ms / 10), min: 2.00 ms, max: 9.00 ms,
nesting: 0 - 10

TIMING MemSet : 833.97 ms - 833.97 us (834.00 ms / 1000), min: 0.00 ns, max: 2.00 ms,
nesting: 0 - 1000
TIMING SSEFill2 : 870.97 ms - 870.97 us (871.00 ms / 1000), min: 0.00 ns, max: 2.00 ms,
nesting: 0 - 1000
TIMING CoFill : 1.88 s - 1.88 ms (1.88 s / 1000), min: 1.00 ms, max: 3.00 ms, nesting: 0
- 1000
TIMING Fill : 2.90 s - 2.90 ms (2.90 s / 1000), min: 2.00 ms, max: 4.00 ms, nesting: 0 -
1000
TIMING memsetd : 2.51 s - 2.51 ms (2.51 s / 1000), min: 2.00 ms, max: 10.00 ms,
nesting: 0 - 1000

==== GCC X64 ====

TIMING MemSet : 7.00 ms - 699.98 us (7.00 ms / 10), min: 0.00 ns, max: 1.00 ms,
nesting: 0 - 10
TIMING SSEFill2 : 9.00 ms - 899.98 us (9.00 ms / 10), min: 0.00 ns, max: 1.00 ms, nesting:
0 - 10
TIMING CoFill : 23.00 ms - 2.30 ms (23.00 ms / 10), min: 2.00 ms, max: 3.00 ms, nesting:
0 - 10
TIMING Fill : 30.00 ms - 3.00 ms (30.00 ms / 10), min: 2.00 ms, max: 4.00 ms, nesting: 0
- 10
TIMING memsetd : 35.00 ms - 3.50 ms (35.00 ms / 10), min: 2.00 ms, max: 10.00 ms,
nesting: 0 - 10

TIMING MemSet : 820.98 ms - 820.98 us (821.00 ms / 1000), min: 0.00 ns, max: 2.00 ms,
nesting: 0 - 1000
TIMING SSEFill2 : 877.98 ms - 877.98 us (878.00 ms / 1000), min: 0.00 ns, max: 2.00 ms,

nesting: 0 - 1000

TIMING CoFill : 1.85 s - 1.85 ms (1.85 s / 1000), min: 1.00 ms, max: 3.00 ms, nesting: 0 - 1000

TIMING Fill : 2.97 s - 2.97 ms (2.97 s / 1000), min: 2.00 ms, max: 4.00 ms, nesting: 0 - 1000

TIMING memsetd : 2.52 s - 2.52 ms (2.52 s / 1000), min: 2.00 ms, max: 8.00 ms, nesting: 0 - 1000
