

		800x600 C.resolutionName='800x600'				1920x1080 C.resolutionName='1920x1080'				1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	
AMDRX580	bistro	4	1.63ms	2.74ms	2.08ms		2.24ms	4.48ms	3.65ms		1.75ms	3.5ms	3.06ms	
		16	6.52ms	10.95ms	8.33ms		8.97ms	17.88ms	14.58ms		7.04ms	14.08ms	12.31ms	
		32	13.07ms	21.83ms	16.69ms		17.84ms	35.66ms	29.01ms		14.05ms	28.07ms	24.56ms	
	san miguel	4	4.3ms	7.03ms	4.7ms		5.34ms	9.74ms	6.95ms		3.45ms	6.49ms	4.95ms	
		16	18.0ms	27.84ms	18.57ms		21.66ms	38.58ms	27.25ms		14.23ms	25.89ms	19.72ms	
		32	35.69ms	55.44ms	36.86ms		43.17ms	76.76ms	54.03ms		28.61ms	51.62ms	39.34ms	
	sponza	4	0.42ms	0.68ms	0.58ms		0.72ms	1.89ms	1.79ms		0.69ms	1.88ms	1.81ms	
		16	1.54ms	2.75ms	2.31ms		2.99ms	7.64ms	7.21ms		2.8ms	7.63ms	7.36ms	
		32	3.14ms	5.49ms	4.64ms		6.02ms	15.28ms	14.4ms		5.6ms	15.16ms	14.64ms	
	vikings	4	2.04ms	2.89ms	2.29ms		2.62ms	4.17ms	3.4ms		1.86ms	3.15ms	2.69ms	
		16	8.41ms	11.6ms	9.28ms		10.41ms	16.77ms	13.54ms		7.62ms	12.63ms	11.07ms	
		32	16.75ms	23.15ms	18.39ms		20.65ms	33.34ms	27.17ms		15.17ms	24.97ms	21.74ms	
NV980	bistro	4	1.95ms	1.34ms	1.16ms	1.96ms	2.56ms	1.95ms	2.5ms	1.95ms	1.49ms	1.37ms	1.85ms	
		16	7.77ms	5.39ms	4.63ms	7.74ms	10.26ms	7.81ms	7.03ms	9.96ms	7.76ms	6.01ms	5.56ms	7.49ms
		32	15.63ms	10.76ms	9.27ms	15.52ms	20.43ms	15.6ms	14.03ms	19.77ms	15.52ms	11.99ms	11.15ms	14.93ms
	san miguel	4	4.88ms	2.92ms	2.35ms	4.25ms	6.21ms	3.87ms	3.21ms	5.27ms	3.97ms	2.58ms	2.21ms	3.34ms
		16	22.33ms	11.94ms	9.73ms	17.73ms	27.9ms	15.61ms	13.15ms	22.03ms	17.66ms	10.5ms	9.09ms	13.98ms
		32	46.72ms	23.62ms	19.32ms	36.32ms	57.8ms	31.33ms	26.37ms	44.2ms	36.76ms	21.04ms	18.25ms	28.79ms
	sponza	4	0.43ms	0.3ms	0.27ms	0.37ms	0.78ms	0.65ms	0.63ms	0.61ms	0.68ms	0.58ms	0.55ms	0.53ms
		16	1.6ms	1.23ms	1.1ms	1.43ms	3.21ms	2.68ms	2.58ms	2.54ms	2.76ms	2.34ms	2.29ms	2.22ms
		32	3.39ms	2.43ms	2.19ms	2.77ms	6.57ms	5.38ms	5.17ms	5.03ms	5.59ms	4.67ms	4.58ms	4.33ms
	vikings	4	2.36ms	1.54ms	1.32ms	2.33ms	2.94ms	2.04ms	1.78ms	2.82ms	2.08ms	1.51ms	1.35ms	2.08ms
		16	9.81ms	6.14ms	5.28ms	9.24ms	12.47ms	8.07ms	7.14ms	11.57ms	8.63ms	6.13ms	5.52ms	8.28ms
		32	20.64ms	12.37ms	10.63ms	18.88ms	25.24ms	16.16ms	14.33ms	22.99ms	17.81ms	12.0ms	10.81ms	16.88ms
NV1060	bistro	4	1.98ms	1.76ms	1.86ms	1.81ms	2.46ms	2.5ms	2.44ms	2.69ms	2.11ms	2.23ms	2.22ms	2.27ms
		16	6.85ms	5.35ms	4.95ms	6.76ms	8.96ms	7.85ms	7.2ms	8.9ms	6.73ms	6.07ms	5.74ms	6.74ms
		32	13.67ms	10.65ms	9.55ms	13.68ms	17.89ms	15.51ms	14.28ms	17.65ms	13.59ms	11.8ms	11.19ms	13.38ms
	san miguel	4	4.21ms	2.74ms	2.37ms	3.87ms	5.4ms	3.75ms	3.3ms	4.83ms	3.44ms	2.59ms	2.38ms	3.01ms
		16	21.12ms	11.27ms	9.7ms	16.28ms	26.12ms	15.2ms	13.46ms	20.14ms	16.4ms	10.37ms	9.4ms	13.0ms
		32	44.44ms	22.68ms	19.72ms	33.2ms	54.09ms	30.5ms	27.04ms	40.81ms	34.21ms	20.64ms	18.69ms	26.64ms
	sponza	4	0.77ms	0.71ms	0.89ms	0.83ms	0.87ms	1.16ms	1.01ms	0.95ms	0.95ms	1.11ms	1.83ms	1.04ms
		16	1.65ms	1.44ms	1.31ms	2.13ms	3.03ms	3.03ms	2.97ms	3.08ms	2.7ms	3.17ms	3.09ms	3.21ms
		32	3.05ms	2.4ms	2.15ms	2.54ms	5.97ms	5.15ms	5.01ms	4.91ms	5.33ms	4.73ms	4.61ms	4.47ms
	vikings	4	2.05ms	1.76ms	1.53ms	2.2ms	2.57ms	2.11ms	2.13ms	2.68ms	2.09ms	1.89ms	1.7ms	2.08ms
		16	8.76ms	5.95ms	5.44ms	8.26ms	11.04ms	7.78ms	7.24ms	10.38ms	7.58ms	6.05ms	5.67ms	7.48ms
		32	18.45ms	11.85ms	10.87ms	16.9ms	22.75ms	15.77ms	14.63ms	20.89ms	15.97ms	11.73ms	11.03ms	15.28ms
NV1650SUPER	bistro	4	1.36ms	1.06ms	1.02ms	1.31ms	1.96ms	1.84ms	1.9ms	2.05ms	1.56ms	1.54ms	1.54ms	1.64ms
		16	5.11ms	4.12ms	4.08ms	5.24ms	7.67ms	7.41ms	7.39ms	8.02ms	6.15ms	6.09ms	6.11ms	6.62ms
		32	10.12ms	8.27ms	8.11ms	10.2ms	15.14ms	14.48ms	14.42ms	15.86ms	12.26ms	12.03ms	12.02ms	13.13ms
	san miguel	4	3.16ms	2.05ms	1.94ms	2.39ms	4.03ms	3.19ms	3.12ms	3.43ms	2.83ms	2.34ms	2.31ms	2.47ms
		16	15.04ms	8.28ms	7.76ms	9.63ms	17.84ms	12.69ms	12.31ms	13.61ms	12.22ms	9.37ms	9.14ms	9.9ms
		32	31.42ms	16.52ms	15.56ms	18.88ms	36.17ms	25.17ms	24.3ms	26.65ms	24.48ms	18.51ms	18.29ms	19.55ms
	sponza	4	0.35ms	0.31ms	0.29ms	0.3ms	0.76ms	0.82ms	0.84ms	0.8ms	0.7ms	0.8ms	0.78ms	0.79ms
		16	1.82ms	1.26ms	1.21ms	1.21ms	3.09ms	3.29ms	3.26ms	3.21ms	2.87ms	3.02ms	3.04ms	2.97ms
		32	2.93ms	2.45ms	2.41ms	2.5ms	6.18ms	6.56ms	6.5ms	6.38ms	5.62ms	6.01ms	6.03ms	5.9ms
	vikings	4	1.48ms	1.13ms	1.11ms	1.54ms	2.05ms	1.73ms	1.73ms	2.09ms	1.45ms	1.35ms	1.37ms	1.57ms
		16	6.4ms	4.37ms	4.29ms	5.96ms	8.4ms	6.82ms	6.76ms	8.1ms	6.08ms	5.33ms	5.4ms	6.39ms
		32	13.14ms	8.62ms	8.47ms	11.72ms	16.83ms	13.45ms	13.42ms	16.04ms	12.35ms	10.44ms	10.41ms	12.28ms
NV2080	bistro	4	0.82ms	0.64ms	0.58ms	0.61ms	1.11ms	0.96ms	0.89ms	0.88ms	0.84ms	0.73ms	0.73ms	0.7ms
		16	3.17ms	2.53ms	2.26ms	2.3ms	4.22ms	3.67ms	3.46ms	3.32ms	3.32ms	3.01ms	2.82ms	2.82ms
		32	6.4ms	4.95ms	4.44ms	4.57ms	8.31ms	7.16ms	6.65ms	6.62ms	6.42ms	5.72ms	5.45ms	5.48ms
	san miguel	4	2.45ms	1.36ms	1.17ms	1.28ms	3.21ms	2.07ms	1.87ms	1.68ms	2.16ms	1.6ms	1.13ms	1.08ms
		16	13.54ms	5.58ms	4.9ms	4.76ms	16.36ms	7.03ms	6.25ms	6.09ms	10.38ms	5.21ms	4.76ms	4.73ms
		32	28.18ms	11.23ms	9.9ms	9.65ms	34.39ms	14.59ms	13.31ms	12.6ms	22.18ms	9.95ms	9.19ms	8.71ms
	sponza	4	0.22ms	0.17ms	0.16ms	0.15ms	0.48ms	0.35ms	0.37ms	0.34ms	0.42ms	0.35ms	0.33ms	0.35ms
		16	1.16ms	0.72ms	0.66ms	0.67ms	1.83ms	1.41ms	1.37ms	1.32ms	1.62ms	1.32ms	1.31ms	1.27ms
		32	2.4ms	1.38ms	1.46ms	1.4ms	3.45ms	2.89ms	2.91ms	2.77ms	3.2ms	2.66ms	2.62ms	2.62ms
	vikings	4	1.21ms	0.76ms	0.71ms	0.69ms	1.75ms	1.06ms	0.88ms	0.96ms	1.05ms	0.77ms	0.74ms	0.7ms
		16	4.71ms	3.44ms	2.88ms	3.12ms	5.97ms	3.82ms	3.48ms	3.55ms	3.93ms	3.04ms	2.85ms	2.85ms
		32	9.78ms	5.6ms	4.99ms	5.35ms	12.06ms	7.69ms	7.17ms	7.32ms	8.29ms	5.8ms	5.33ms	5.44ms
NV2080Ti	bistro	4	0.78ms	0.9ms	0.78ms	0.72ms	1.08ms	1.1ms	0.92ms	0.83ms	0.78ms	0.77ms	0.82ms	0.75ms
		16	3.12ms	2.3ms	2.06ms	1.73ms	4.09ms	3.2ms	3.01ms	2.52ms	3.08ms	2.52ms	2.41ms	2.08ms
		32	6.12ms	4.5ms	3.96ms	3.2ms	7.93ms	6.27ms	5.86ms	4.91ms	6.05ms	4.92ms	4.6ms	3.97ms
	san miguel	4	2.54ms	1.15ms	0.93ms	0.79ms	3.2ms	1.55ms	1.37ms	1.09ms	1.94ms	1.06ms	0.93ms	0.72ms
		16	14.62ms	4.92ms	4.33ms	3.68ms	17.94ms	6.42ms	5.77ms	4.91ms	10.86ms	4.34ms	3.97ms	3.28ms
		32	31.14ms	10.4ms	9.27ms	8.0ms	38.19ms	13.45ms	12.17ms	10.53ms	23.59ms	9.09ms	8.32ms	7.14ms
	sponza	4	0.22ms	0.16ms	0.15ms	0.13ms	0.45ms	0.31ms	0.3ms	0.29ms	0.38ms	0.27ms	0.27ms	0.26ms
		16	1.0ms	0.58ms	0.55ms	0.51ms	1.66ms	1.04ms	1.03ms	0.96ms	1.48ms	0.98ms	0.95ms	0.92ms
		32	2.39ms	1.25ms	0.89ms	1.1ms	3.14ms	2.2ms	2.17ms	2.05ms	2.68ms	1.99ms	1.97ms	1.86ms
	vikings	4	0.93ms	0.72ms	0.58ms	0.51ms	1.27ms	0.94ms	0.87ms	0.7ms	0.84ms	0.71ms	0.62ms	0.53ms
		16	4.62ms	2.63ms	2.33ms	1.94ms	5.83ms	3.43ms	3.11ms	2.52ms	3.71ms	2.69ms	2.5ms	2.07ms
		32	9.98ms	5.17ms	4.53ms	3.8ms	12.51ms	6.97ms	6.32ms	5.12ms	8.2ms	5.14ms	4.72ms	3.98ms

Table 1: Averaged performance of ID-Buffer generation with EASY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for older microarchitectures.

		800x600 C.resolutionName='800x600'			1920x1080 C.resolutionName='1920x1080'			1440x1600 C.resolutionName='1440x1600'			
		$\mathcal{P}(1, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	$\mathcal{P}(1, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	$\mathcal{P}(1, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	$\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$	
AMDRX580	bistro	4	3.02ms	3.03ms	2.74ms	4.82ms	4.83ms	4.48ms	3.72ms	3.73ms	3.5ms
		16	19.05ms	12.1ms	10.95ms	28.27ms	19.29ms	17.88ms	20.18ms	14.97ms	14.08ms
		32	54.55ms	24.1ms	21.83ms	77.19ms	38.5ms	35.66ms	52.34ms	29.84ms	28.07ms
	san miguel	4	7.44ms	7.45ms	7.03ms	10.28ms	10.3ms	9.74ms	6.82ms	6.8ms	6.49ms
		16	48.4ms	29.48ms	27.84ms	64.32ms	40.6ms	38.58ms	40.73ms	27.11ms	25.89ms
		32	141.21ms	58.72ms	55.44ms	183.87ms	80.81ms	76.76ms	113.6ms	54.11ms	51.62ms
	sponza	4	0.82ms	0.82ms	0.68ms	2.06ms	2.07ms	1.89ms	1.99ms	1.99ms	1.88ms
		16	4.45ms	3.29ms	2.75ms	9.83ms	8.26ms	7.64ms	8.97ms	8.0ms	7.63ms
		32	11.35ms	6.55ms	5.49ms	22.7ms	16.49ms	15.28ms	19.84ms	15.92ms	15.16ms
	viking	4	3.1ms	3.1ms	2.89ms	4.44ms	4.46ms	4.17ms	3.33ms	3.33ms	3.15ms
		16	18.14ms	12.45ms	11.6ms	24.93ms	17.79ms	16.77ms	17.96ms	13.39ms	12.63ms
		32	53.97ms	24.83ms	23.15ms	71.43ms	35.4ms	33.34ms	49.12ms	26.51ms	24.97ms
NV980	bistro	4	1.37ms	1.37ms	1.34ms	1.98ms	1.99ms	1.95ms	1.5ms	1.5ms	1.49ms
		16	8.6ms	5.55ms	5.39ms	12.67ms	8.01ms	7.81ms	9.81ms	6.05ms	6.01ms
		32	32.48ms	11.09ms	10.76ms	50.44ms	15.93ms	15.6ms	40.3ms	12.15ms	11.99ms
	san miguel	4	3.09ms	3.1ms	2.92ms	4.05ms	4.06ms	3.87ms	2.68ms	2.68ms	2.58ms
		16	18.25ms	12.64ms	11.94ms	24.56ms	16.43ms	15.61ms	16.76ms	10.89ms	10.5ms
		32	67.62ms	25.02ms	23.62ms	96.39ms	32.88ms	31.33ms	68.92ms	21.82ms	21.04ms
	sponza	4	0.31ms	0.31ms	0.3ms	0.65ms	0.65ms	0.65ms	0.57ms	0.57ms	0.58ms
		16	1.75ms	1.24ms	1.23ms	4.37ms	2.68ms	2.68ms	3.89ms	2.33ms	2.34ms
		32	5.86ms	2.45ms	2.43ms	19.19ms	5.36ms	5.38ms	17.24ms	4.68ms	4.67ms
	viking	4	1.58ms	1.58ms	1.54ms	2.06ms	2.07ms	2.04ms	1.52ms	1.53ms	1.51ms
		16	10.47ms	6.31ms	6.14ms	13.31ms	8.24ms	8.07ms	9.94ms	6.21ms	6.13ms
		32	43.79ms	12.67ms	12.37ms	52.96ms	16.55ms	16.16ms	40.12ms	12.21ms	12.0ms
NV1060	bistro	4	1.94ms	1.83ms	1.76ms	2.45ms	2.42ms	2.5ms	2.28ms	2.38ms	2.23ms
		16	10.63ms	5.52ms	5.35ms	18.07ms	8.02ms	7.85ms	15.26ms	6.14ms	6.07ms
		32	43.62ms	10.87ms	10.65ms	113.52ms	15.77ms	15.51ms	97.26ms	11.92ms	11.8ms
	san miguel	4	2.91ms	2.92ms	2.74ms	3.93ms	4.0ms	3.75ms	2.7ms	2.68ms	2.59ms
		16	22.69ms	11.93ms	11.27ms	33.49ms	15.95ms	15.2ms	24.72ms	10.68ms	10.37ms
		32	90.41ms	23.9ms	22.68ms	186.07ms	31.95ms	30.5ms	148.56ms	21.39ms	20.64ms
	sponza	4	0.7ms	0.76ms	0.71ms	1.93ms	1.19ms	1.16ms	1.14ms	1.83ms	1.11ms
		16	2.62ms	1.47ms	1.44ms	6.92ms	2.99ms	3.03ms	6.8ms	2.77ms	3.17ms
		32	7.52ms	2.39ms	2.4ms	56.35ms	5.2ms	5.15ms	49.26ms	4.75ms	4.73ms
	viking	4	1.65ms	1.64ms	1.76ms	2.16ms	2.18ms	2.11ms	1.84ms	1.89ms	1.89ms
		16	13.02ms	6.12ms	5.95ms	16.69ms	8.02ms	7.78ms	12.45ms	6.17ms	6.05ms
		32	58.22ms	12.19ms	11.85ms	78.37ms	16.15ms	15.77ms	58.96ms	11.95ms	11.73ms
NV1650SUPER	bistro	4	1.13ms	1.19ms	1.06ms	1.99ms	1.98ms	1.84ms	1.61ms	1.59ms	1.54ms
		16	7.72ms	4.5ms	4.12ms	28.02ms	7.77ms	7.41ms	23.02ms	6.28ms	6.09ms
		32	32.46ms	8.95ms	8.27ms	129.87ms	15.23ms	14.48ms	103.32ms	12.4ms	12.03ms
	san miguel	4	2.34ms	2.35ms	2.05ms	3.51ms	3.48ms	3.19ms	2.51ms	2.48ms	2.34ms
		16	15.4ms	9.52ms	8.28ms	38.84ms	13.99ms	12.69ms	30.56ms	9.99ms	9.37ms
		32	61.07ms	19.02ms	16.52ms	184.7ms	27.7ms	25.17ms	143.83ms	19.82ms	18.51ms
	sponza	4	0.31ms	0.3ms	0.31ms	0.84ms	0.8ms	0.82ms	0.78ms	0.79ms	0.8ms
		16	1.92ms	1.24ms	1.26ms	17.58ms	3.26ms	3.29ms	14.71ms	3.07ms	3.02ms
		32	10.3ms	2.54ms	2.45ms	75.17ms	6.6ms	6.56ms	58.27ms	5.99ms	6.01ms
	viking	4	1.24ms	1.23ms	1.13ms	1.84ms	1.85ms	1.73ms	1.43ms	1.44ms	1.35ms
		16	8.9ms	4.82ms	4.37ms	15.26ms	7.22ms	6.82ms	11.43ms	5.67ms	5.33ms
		32	36.18ms	9.55ms	8.62ms	58.75ms	14.26ms	13.45ms	42.95ms	10.99ms	10.44ms
NV2080	bistro	4	0.65ms	0.69ms	0.64ms	0.97ms	0.97ms	0.96ms	0.76ms	0.79ms	0.73ms
		16	3.19ms	2.67ms	2.53ms	5.45ms	3.79ms	3.67ms	4.51ms	3.05ms	3.01ms
		32	12.19ms	5.11ms	4.95ms	27.36ms	7.43ms	7.16ms	24.01ms	5.9ms	5.72ms
	san miguel	4	1.5ms	1.55ms	1.36ms	2.18ms	2.04ms	2.07ms	1.32ms	1.37ms	1.26ms
		16	6.65ms	5.61ms	5.58ms	9.48ms	7.44ms	7.03ms	7.17ms	5.32ms	5.21ms
		32	25.31ms	11.83ms	11.23ms	44.83ms	15.15ms	14.59ms	35.13ms	10.34ms	9.95ms
	sponza	4	0.18ms	0.17ms	0.17ms	0.37ms	0.35ms	0.35ms	0.33ms	0.37ms	0.35ms
		16	0.72ms	0.75ms	0.72ms	2.48ms	1.37ms	1.41ms	2.52ms	1.35ms	1.32ms
		32	2.27ms	1.43ms	1.38ms	15.72ms	2.89ms	2.89ms	15.23ms	2.58ms	2.66ms
	viking	4	0.8ms	0.8ms	0.76ms	1.05ms	1.0ms	1.06ms	0.79ms	0.77ms	0.77ms
		16	3.8ms	3.3ms	3.44ms	5.26ms	3.88ms	3.82ms	4.07ms	3.12ms	3.04ms
		32	16.44ms	5.83ms	5.6ms	21.48ms	7.83ms	7.69ms	16.7ms	5.88ms	5.8ms
NV2080TI	bistro	4	0.84ms	0.97ms	0.9ms	1.05ms	1.18ms	1.1ms	0.79ms	0.91ms	0.77ms
		16	2.35ms	2.32ms	2.3ms	3.85ms	3.2ms	3.2ms	3.24ms	2.5ms	2.52ms
		32	8.41ms	4.49ms	4.5ms	18.82ms	6.29ms	6.27ms	17.05ms	4.87ms	4.92ms
	san miguel	4	1.18ms	1.2ms	1.15ms	1.56ms	1.54ms	1.55ms	1.04ms	1.06ms	1.06ms
		16	4.8ms	4.99ms	4.92ms	6.82ms	6.52ms	6.42ms	5.13ms	4.42ms	4.34ms
		32	17.44ms	10.52ms	10.4ms	31.08ms	13.59ms	13.45ms	24.85ms	9.01ms	9.09ms
	sponza	4	0.16ms	0.17ms	0.16ms	0.3ms	0.3ms	0.31ms	0.27ms	0.28ms	0.27ms
		16	0.91ms	0.61ms	0.58ms	1.91ms	1.03ms	1.04ms	1.83ms	0.97ms	0.98ms
		32	1.58ms	1.23ms	1.25ms	11.38ms	2.17ms	2.2ms	11.09ms	2.01ms	1.99ms
	viking	4	0.71ms	0.67ms	0.72ms	0.98ms	0.94ms	0.94ms	0.65ms	0.68ms	0.71ms
		16	2.72ms	2.64ms	2.63ms	3.87ms	3.41ms	3.43ms	2.94ms	2.65ms	2.69ms
		32	11.3ms	5.16ms	5.17ms	15.2ms	6.92ms	6.97ms	11.77ms	5.06ms	5.14ms

Table 2: Averaged performance measurements of ID-Buffer tests with EASY vertex load, comparing some geometry shader amplification variants, namely  $\mathcal{P}(1, \text{VFC}, \text{VFC})$ ,  $\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$ , and  $\mathcal{P}(\frac{N}{4}, \text{VFC}, \text{VFC})$ .

		800x600 C.resolutionName='800x600'			1920x1080 C.resolutionName='1920x1080'			1440x1600 C.resolutionName='1440x1600'			
		$\mathcal{P}(1, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}}, \text{C}_{\text{B}})$	$\mathcal{P}(1, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}}, \text{C}_{\text{B}})$	$\mathcal{P}(1, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$	$\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}}, \text{C}_{\text{B}})$	
AMDRX580	bistro	4	2.57ms	2.57ms	2.08ms	4.26ms	4.26ms	3.65ms	3.42ms	3.42ms	3.06ms
		16	10.84ms	10.31ms	8.33ms	18.43ms	17.02ms	14.58ms	14.97ms	13.78ms	12.31ms
		32	27.05ms	20.63ms	16.69ms	43.43ms	33.89ms	29.01ms	34.14ms	27.48ms	24.56ms
	san miguel	4	5.9ms	5.92ms	4.7ms	8.42ms	8.41ms	6.95ms	5.84ms	5.8ms	4.95ms
		16	23.67ms	23.33ms	18.57ms	34.55ms	33.17ms	27.25ms	24.41ms	23.26ms	19.72ms
		32	61.03ms	46.38ms	36.86ms	86.07ms	65.9ms	54.03ms	59.41ms	46.44ms	39.34ms
	sponza	4	0.69ms	0.69ms	0.58ms	1.93ms	1.93ms	1.79ms	1.9ms	1.91ms	1.81ms
		16	3.02ms	2.79ms	2.31ms	8.33ms	7.76ms	7.21ms	8.06ms	7.67ms	7.36ms
		32	6.85ms	5.58ms	4.64ms	17.82ms	15.54ms	14.4ms	16.87ms	15.36ms	14.64ms
	viking village	4	2.92ms	2.91ms	2.29ms	4.18ms	4.19ms	3.4ms	3.2ms	3.2ms	2.69ms
		16	12.9ms	11.79ms	9.28ms	18.61ms	16.62ms	13.54ms	14.55ms	13.24ms	11.07ms
		32	30.94ms	23.37ms	18.39ms	42.61ms	33.13ms	27.17ms	33.74ms	26.14ms	21.74ms
NV980	bistro	4	1.32ms	1.33ms	1.16ms	1.95ms	1.93ms	1.74ms	1.46ms	1.46ms	1.37ms
		16	5.24ms	5.33ms	4.63ms	9.16ms	7.78ms	7.03ms	7.61ms	5.93ms	5.56ms
		32	12.8ms	10.65ms	9.27ms	30.76ms	15.49ms	14.03ms	27.86ms	11.87ms	11.15ms
	san miguel	4	2.95ms	2.95ms	2.35ms	3.9ms	3.92ms	3.21ms	2.57ms	2.57ms	2.21ms
		16	10.72ms	12.02ms	9.73ms	16.03ms	15.81ms	13.15ms	11.74ms	10.53ms	9.09ms
		32	23.81ms	23.92ms	19.32ms	47.96ms	31.74ms	26.37ms	40.13ms	21.13ms	18.25ms
	sponza	4	0.3ms	0.27ms	0.27ms	0.64ms	0.64ms	0.63ms	0.57ms	0.56ms	0.55ms
		16	1.28ms	1.17ms	1.1ms	4.06ms	2.63ms	2.58ms	3.7ms	2.3ms	2.29ms
		32	3.08ms	2.32ms	2.19ms	17.37ms	5.28ms	5.17ms	16.34ms	4.63ms	4.58ms
	viking village	4	1.53ms	1.52ms	1.32ms	2.0ms	2.02ms	1.78ms	1.49ms	1.5ms	1.35ms
		16	6.18ms	6.09ms	5.28ms	8.55ms	8.0ms	7.14ms	6.68ms	6.09ms	5.52ms
		32	17.57ms	12.22ms	10.63ms	24.68ms	16.08ms	14.33ms	19.48ms	11.89ms	10.81ms
NV1060	bistro	4	1.64ms	1.88ms	1.86ms	2.55ms	2.51ms	2.44ms	2.23ms	2.25ms	2.22ms
		16	6.59ms	5.62ms	4.95ms	13.9ms	7.98ms	7.2ms	12.6ms	6.15ms	5.74ms
		32	18.09ms	10.92ms	9.55ms	89.8ms	15.79ms	14.28ms	82.26ms	11.96ms	11.19ms
	san miguel	4	2.94ms	2.94ms	2.37ms	4.02ms	3.99ms	3.3ms	2.66ms	2.7ms	2.38ms
		16	12.64ms	12.04ms	9.7ms	22.62ms	16.06ms	13.46ms	18.58ms	10.78ms	9.4ms
		32	34.51ms	24.29ms	19.72ms	127.26ms	32.28ms	27.04ms	113.92ms	21.3ms	18.69ms
	sponza	4	0.97ms	0.92ms	0.89ms	1.03ms	1.26ms	1.01ms	1.1ms	1.09ms	1.83ms
		16	1.68ms	1.41ms	1.31ms	6.55ms	3.15ms	2.97ms	6.65ms	2.76ms	3.09ms
		32	3.81ms	2.3ms	2.15ms	53.82ms	5.12ms	5.01ms	47.74ms	4.72ms	4.61ms
	viking village	4	1.85ms	1.8ms	1.53ms	2.3ms	2.34ms	2.13ms	1.89ms	1.92ms	1.7ms
		16	7.86ms	6.24ms	5.44ms	10.99ms	8.17ms	7.24ms	8.66ms	6.26ms	5.67ms
		32	25.16ms	12.44ms	10.87ms	44.05ms	16.44ms	14.63ms	33.62ms	12.13ms	11.03ms
NV1650SUPER	bistro	4	1.26ms	1.27ms	1.02ms	2.11ms	2.1ms	1.9ms	1.64ms	1.69ms	1.54ms
		16	6.09ms	4.95ms	4.08ms	26.57ms	8.17ms	7.39ms	22.2ms	6.61ms	6.11ms
		32	22.12ms	9.75ms	8.11ms	120.86ms	16.15ms	14.42ms	97.9ms	12.87ms	12.02ms
	san miguel	4	2.65ms	2.66ms	1.94ms	3.81ms	3.86ms	3.12ms	2.62ms	2.65ms	2.31ms
		16	11.32ms	10.58ms	7.76ms	35.05ms	15.15ms	12.31ms	28.53ms	10.64ms	9.14ms
		32	36.41ms	21.15ms	15.56ms	160.63ms	30.17ms	24.3ms	130.06ms	21.03ms	18.29ms
	sponza	4	0.31ms	0.33ms	0.29ms	0.8ms	0.8ms	0.84ms	0.76ms	0.75ms	0.78ms
		16	1.72ms	1.23ms	1.21ms	17.57ms	3.3ms	3.26ms	14.63ms	3.06ms	3.04ms
		32	8.91ms	2.51ms	2.41ms	74.42ms	6.64ms	6.5ms	57.81ms	6.1ms	6.03ms
	viking village	4	1.37ms	1.37ms	1.11ms	1.99ms	1.97ms	1.73ms	1.51ms	1.53ms	1.37ms
		16	6.98ms	5.22ms	4.29ms	13.48ms	7.73ms	6.76ms	10.19ms	5.96ms	5.4ms
		32	22.36ms	10.39ms	8.47ms	45.59ms	15.33ms	13.42ms	33.26ms	11.62ms	10.41ms
NV2080	bistro	4	0.65ms	0.65ms	0.58ms	0.98ms	0.94ms	0.89ms	0.78ms	0.73ms	0.73ms
		16	2.59ms	2.61ms	2.26ms	4.78ms	3.79ms	3.46ms	4.06ms	2.97ms	2.82ms
		32	6.91ms	5.07ms	4.44ms	22.65ms	7.33ms	6.65ms	21.19ms	5.81ms	5.45ms
	san miguel	4	1.47ms	1.47ms	1.17ms	2.29ms	2.05ms	1.87ms	1.29ms	1.3ms	1.13ms
		16	5.19ms	5.64ms	4.9ms	8.06ms	7.44ms	6.25ms	6.21ms	5.45ms	4.76ms
		32	12.99ms	11.8ms	9.9ms	32.17ms	15.29ms	13.31ms	28.58ms	10.28ms	9.19ms
	sponza	4	0.16ms	0.17ms	0.16ms	0.34ms	0.37ms	0.37ms	0.33ms	0.34ms	0.33ms
		16	0.66ms	0.68ms	0.66ms	2.44ms	1.36ms	1.37ms	2.51ms	1.29ms	1.31ms
		32	1.53ms	1.46ms	1.46ms	15.21ms	2.88ms	2.91ms	14.98ms	2.67ms	2.62ms
	viking village	4	0.77ms	0.75ms	0.71ms	1.05ms	1.05ms	0.88ms	0.78ms	0.81ms	0.74ms
		16	3.07ms	3.16ms	2.88ms	4.44ms	3.85ms	3.48ms	3.5ms	3.09ms	2.85ms
		32	9.62ms	5.77ms	4.99ms	14.39ms	7.81ms	7.17ms	11.81ms	5.84ms	5.33ms
NV2080TI	bistro	4	0.83ms	0.88ms	0.78ms	0.95ms	1.06ms	0.92ms	0.84ms	0.85ms	0.82ms
		16	1.88ms	2.3ms	2.06ms	3.44ms	3.08ms	3.01ms	2.99ms	2.49ms	2.41ms
		32	4.62ms	4.38ms	3.96ms	15.45ms	6.07ms	5.86ms	15.05ms	4.75ms	4.6ms
	san miguel	4	1.18ms	1.15ms	0.93ms	1.48ms	1.49ms	1.37ms	1.04ms	1.03ms	0.93ms
		16	3.77ms	4.77ms	4.33ms	5.84ms	6.24ms	5.77ms	4.62ms	4.23ms	3.97ms
		32	8.45ms	10.17ms	9.27ms	22.0ms	13.2ms	12.17ms	20.01ms	8.76ms	8.32ms
	sponza	4	0.15ms	0.15ms	0.15ms	0.29ms	0.28ms	0.3ms	0.26ms	0.25ms	0.27ms
		16	0.42ms	0.58ms	0.55ms	1.82ms	1.03ms	1.03ms	1.76ms	0.98ms	0.95ms
		32	1.4ms	1.0ms	0.89ms	11.15ms	2.15ms	2.17ms	10.92ms	1.98ms	1.97ms
	viking village	4	0.66ms	0.64ms	0.58ms	0.89ms	0.86ms	0.87ms	0.68ms	0.67ms	0.62ms
		16	2.22ms	2.54ms	2.33ms	3.33ms	3.31ms	3.11ms	2.6ms	2.59ms	2.5ms
		32	6.18ms	4.97ms	4.53ms	10.15ms	6.74ms	6.32ms	8.14ms	4.93ms	4.72ms

Table 3: Averaged performance measurements of ID-Buffer tests with EASY vertex load, comparing some geometry shader instancing variants, namely  $\mathcal{P}(1, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$ ,  $\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}})$ , and  $\mathcal{P}(\frac{N}{4}, \text{E}_{\text{VFC}}, \text{C}_{\text{B}}, \text{C}_{\text{B}})$ .

		800x600 C.resolutionName='800x600'				1920x1080 C.resolutionName='1920x1080'				1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	
AMD RX580	bistro	4	1.18ms	2.15ms	3.98ms		1.76ms	3.55ms	5.49ms		1.36ms	2.84ms	4.04ms	
		16	6.0ms	11.95ms	22.47ms		8.38ms	18.24ms	29.67ms		6.49ms	14.27ms	22.4ms	
		32	12.18ms	23.96ms	43.17ms		16.81ms	36.49ms	56.98ms		13.37ms	28.81ms	43.78ms	
	san miguel	4	3.23ms	7.83ms	13.64ms		3.94ms	10.47ms	16.93ms		2.64ms	6.54ms	11.1ms	
		16	13.39ms	34.23ms	61.54ms		17.19ms	45.88ms	77.36ms		11.52ms	29.61ms	50.04ms	
		32	25.78ms	66.07ms	118.65ms		33.5ms	89.42ms	149.59ms		22.43ms	58.16ms	98.05ms	
	sponza	4	0.46ms	0.76ms	1.12ms		0.7ms	1.78ms	2.15ms		0.7ms	1.86ms	2.14ms	
		16	1.58ms	3.19ms	4.64ms		3.08ms	7.87ms	9.39ms		3.0ms	7.98ms	9.01ms	
		32	2.59ms	5.7ms	8.22ms		5.93ms	15.06ms	17.67ms		5.7ms	14.91ms	16.57ms	
	viking village	4	3.44ms	7.38ms	13.0ms		4.1ms	9.0ms	14.93ms		3.17ms	6.92ms	11.87ms	
		16	7.53ms	14.04ms	25.3ms		9.67ms	18.92ms	31.16ms		7.16ms	14.18ms	23.24ms	
		32	16.08ms	30.91ms	54.57ms		20.72ms	42.09ms	68.78ms		15.11ms	30.6ms	49.54ms	
NV980	bistro	4	1.37ms	2.54ms	2.44ms	2.45ms	1.66ms	2.95ms	2.97ms	2.9ms	1.22ms	2.18ms	2.19ms	2.06ms
		16	6.3ms	11.36ms	11.44ms	11.6ms	8.0ms	13.35ms	13.56ms	13.38ms	5.95ms	10.71ms	10.81ms	9.99ms
		32	12.65ms	21.54ms	21.54ms	21.65ms	15.9ms	25.52ms	25.72ms	25.01ms	12.01ms	20.66ms	20.88ms	19.15ms
	san miguel	4	3.39ms	5.97ms	5.85ms	6.41ms	4.0ms	7.07ms	6.99ms	7.61ms	2.63ms	5.02ms	5.06ms	5.36ms
		16	14.95ms	26.62ms	26.88ms	26.58ms	19.47ms	32.26ms	32.65ms	31.39ms	11.75ms	21.72ms	22.06ms	20.87ms
		32	30.41ms	51.61ms	51.9ms	51.97ms	36.93ms	63.41ms	63.63ms	62.24ms	24.25ms	42.09ms	42.78ms	40.15ms
	sponza	4	0.35ms	0.56ms	0.57ms	0.62ms	0.59ms	0.74ms	0.79ms	0.75ms	0.5ms	0.64ms	0.65ms	0.64ms
		16	1.33ms	2.23ms	2.28ms	2.17ms	2.68ms	3.62ms	3.66ms	3.08ms	2.51ms	3.2ms	3.26ms	2.72ms
		32	2.62ms	4.28ms	4.43ms	4.05ms	4.83ms	6.52ms	6.66ms	5.45ms	4.51ms	5.6ms	5.57ms	5.06ms
	viking village	4	3.8ms	5.86ms	5.82ms	6.22ms	4.38ms	6.39ms	6.47ms	7.15ms	3.2ms	5.57ms	5.65ms	5.47ms
		16	7.88ms	13.42ms	13.35ms	14.25ms	9.62ms	15.67ms	15.64ms	16.81ms	6.94ms	12.13ms	12.12ms	12.1ms
		32	16.82ms	28.58ms	28.35ms	29.87ms	20.67ms	33.88ms	33.8ms	35.2ms	14.54ms	25.38ms	25.34ms	25.36ms
NV1060	bistro	4	1.35ms	3.01ms	3.02ms	2.34ms	1.94ms	3.8ms	3.86ms	2.94ms	1.9ms	3.01ms	2.99ms	2.36ms
		16	5.31ms	11.77ms	11.73ms	8.96ms	7.05ms	13.68ms	14.3ms	11.08ms	5.56ms	11.39ms	8.22ms	8.22ms
		32	9.84ms	22.05ms	22.37ms	16.68ms	14.24ms	26.32ms	26.76ms	20.99ms	11.21ms	21.17ms	21.62ms	16.5ms
	san miguel	4	2.93ms	5.98ms	6.08ms	4.75ms	3.9ms	7.56ms	7.88ms	6.01ms	2.39ms	4.96ms	5.06ms	4.86ms
		16	13.19ms	27.19ms	27.54ms	21.73ms	18.54ms	32.67ms	33.36ms	26.34ms	11.72ms	22.15ms	22.79ms	17.74ms
		32	27.77ms	52.95ms	53.92ms	40.45ms	35.13ms	63.99ms	65.45ms	49.55ms	21.99ms	42.99ms	44.08ms	32.04ms
	sponza	4	0.35ms	0.64ms	0.66ms	0.52ms	0.72ms	0.92ms	0.94ms	0.8ms	0.69ms	1.0ms	0.95ms	0.74ms
		16	1.46ms	2.75ms	2.86ms	2.05ms	3.16ms	4.14ms	4.29ms	3.45ms	3.05ms	3.7ms	3.82ms	3.09ms
		32	2.63ms	5.03ms	5.21ms	3.66ms	5.42ms	6.4ms	6.6ms	5.85ms	4.8ms	5.73ms	5.76ms	5.28ms
	viking village	4	3.36ms	5.8ms	5.86ms	4.92ms	4.11ms	6.34ms	6.49ms	5.5ms	3.15ms	5.57ms	5.87ms	4.6ms
		16	6.38ms	13.91ms	14.13ms	10.99ms	8.05ms	16.2ms	16.37ms	13.46ms	6.03ms	12.27ms	12.44ms	9.94ms
		32	13.16ms	29.15ms	29.17ms	22.73ms	17.6ms	34.37ms	35.07ms	27.98ms	12.98ms	25.94ms	26.26ms	20.58ms
NV1650SUPER	bistro	4	1.12ms	1.82ms	1.99ms	2.6ms	1.84ms	2.53ms	2.59ms	2.87ms	1.39ms	1.95ms	1.93ms	2.28ms
		16	4.71ms	7.38ms	7.98ms	10.36ms	7.53ms	10.36ms	10.98ms	12.23ms	6.12ms	8.65ms	9.24ms	9.98ms
		32	8.98ms	14.04ms	15.09ms	19.02ms	14.46ms	19.73ms	20.86ms	22.96ms	11.93ms	16.31ms	17.22ms	18.79ms
	san miguel	4	3.58ms	5.64ms	5.02ms	7.37ms	4.87ms	6.81ms	5.48ms	7.15ms	3.86ms	4.23ms	5.25ms	5.43ms
		16	12.56ms	17.11ms	18.04ms	23.07ms	15.66ms	22.87ms	24.13ms	27.87ms	11.87ms	15.98ms	17.25ms	19.38ms
		32	21.39ms	33.15ms	35.03ms	44.71ms	28.26ms	43.98ms	46.37ms	54.36ms	20.29ms	30.81ms	32.72ms	37.1ms
	sponza	4	0.39ms	0.45ms	0.47ms	0.55ms	0.63ms	0.78ms	0.77ms	0.88ms	0.68ms	0.65ms	0.72ms	0.81ms
		16	1.53ms	1.81ms	1.92ms	2.03ms	3.65ms	4.0ms	3.99ms	3.85ms	3.46ms	3.77ms	3.9ms	3.45ms
		32	2.78ms	3.78ms	3.89ms	3.98ms	6.39ms	7.35ms	7.53ms	7.13ms	6.11ms	6.63ms	6.74ms	6.11ms
	viking village	4	2.95ms	4.09ms	4.4ms	5.1ms	3.4ms	4.37ms	4.93ms	5.91ms	2.89ms	4.08ms	4.1ms	5.19ms
		16	5.51ms	8.39ms	9.12ms	12.09ms	7.59ms	10.95ms	11.78ms	14.17ms	6.23ms	8.62ms	9.31ms	11.11ms
		32	11.45ms	18.01ms	19.16ms	25.23ms	16.37ms	23.49ms	24.97ms	30.12ms	12.35ms	18.06ms	19.28ms	22.8ms
NV2080	bistro	4	0.5ms	0.98ms	1.11ms	1.27ms	0.86ms	1.22ms	1.35ms	1.45ms	0.6ms	0.93ms	1.03ms	1.12ms
		16	2.42ms	4.45ms	5.6ms	5.32ms	4.17ms	5.17ms	6.36ms	6.3ms	2.91ms	4.23ms	4.76ms	5.33ms
		32	4.61ms	8.42ms	8.08ms	10.61ms	6.79ms	10.04ms	11.86ms	12.31ms	5.42ms	8.14ms	8.94ms	9.63ms
	san miguel	4	4.05ms	3.12ms	3.47ms	4.6ms	2.69ms	4.37ms	4.49ms	4.29ms	1.97ms	4.08ms	3.27ms	3.68ms
		16	11.49ms	9.66ms	11.49ms	12.29ms	11.57ms	13.33ms	14.47ms	14.08ms	6.82ms	8.06ms	8.73ms	10.81ms
		32	18.69ms	19.7ms	20.53ms	21.17ms	23.57ms	23.16ms	24.52ms	25.46ms	13.55ms	15.86ms	16.66ms	17.38ms
	sponza	4	0.17ms	0.22ms	0.24ms	0.36ms	0.37ms	0.41ms	0.37ms	0.36ms	0.42ms	0.38ms	0.34ms	0.34ms
		16	0.73ms	0.95ms	1.03ms	1.03ms	1.61ms	1.59ms	1.46ms	1.6ms	1.62ms	1.44ms	1.51ms	1.48ms
		32	1.43ms	2.02ms	2.32ms	1.86ms	3.12ms	2.97ms	3.01ms	3.04ms	3.37ms	2.82ms	2.78ms	2.78ms
	viking village	4	1.97ms	2.25ms	2.44ms	2.81ms	3.05ms	2.53ms	2.67ms	3.04ms	1.3ms	2.2ms	2.85ms	2.63ms
		16	3.08ms	4.67ms	5.09ms	5.92ms	3.86ms	6.05ms	6.18ms	8.06ms	3.09ms	4.37ms	4.87ms	5.18ms
		32	6.4ms	10.64ms	10.44ms	12.07ms	8.66ms	11.52ms	13.39ms	14.0ms	5.82ms	8.56ms	9.75ms	10.5ms
NV2080Ti	bistro	4	0.44ms	0.95ms	0.99ms	1.01ms	0.68ms	1.16ms	1.2ms	1.12ms	0.52ms	0.85ms	0.82ms	0.84ms
		16	2.03ms	3.96ms	4.08ms	3.78ms	3.06ms	4.33ms	4.38ms	4.21ms	2.49ms	3.72ms	3.85ms	3.54ms
		32	3.82ms	6.01ms	5.92ms	5.67ms	4.73ms	7.21ms	7.3ms	6.97ms	4.39ms	5.95ms	6.39ms	5.81ms
	san miguel	4	0.9ms	1.69ms	2.22ms	1.64ms	1.73ms	3.12ms	3.21ms	2.92ms	0.94ms	1.75ms	1.44ms	1.88ms
		16	9.18ms	9.41ms	9.35ms	9.55ms	12.0ms	13.21ms	13.61ms	12.5ms	7.24ms	8.14ms	7.42ms	8.16ms
		32	20.56ms	20.28ms	20.0ms	19.15ms	25.75ms	24.33ms	24.39ms	23.48ms	14.73ms	15.04ms	15.9ms	14.37ms
	sponza	4	0.15ms	0.19ms	0.19ms	0.21ms	0.35ms	0.37ms	0.32ms	0.32ms	0.32ms	0.33ms	0.34ms	0.3ms
		16	0.64ms	0.86ms	0.96ms	0.79ms	1.0ms	1.4ms	1.43ms	1.35ms	0.99ms	1.16ms	1.21ms	1.27ms
		32	1.29ms	1.63ms	1.65ms	1.55ms	2.84ms	2.5ms	2.14ms	2.44ms	2.75ms	2.44ms	2.45ms	1.77ms
	viking village	4	1.04ms	2.23ms	2.24ms	2.22ms	1.32ms	2.41ms	2.4ms	2.36ms	1.05ms	2.16ms	2.13ms	2.12ms
		16	2.39ms	3.99ms	4.15ms	4.11ms	3.25ms	4.79ms	5.01ms	4.49ms	2.52ms	3.54ms	3.94ms	3.59ms
		32	5.02ms	8.12ms	7.92ms	7.76ms	6.32ms	9.79ms	9.9ms	9.27ms	4.44ms	6.95ms	7.07ms	6.76ms

Table 4: Averaged performance of Shadow Map generation with EASY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{2}, \rightarrow, \square, \square)$  for older microarchitectures.

		800x600 C.resolutionName='800x600'				1920x1080 C.resolutionName='1920x1080'				1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	
AMDRX580	bistro	4	1.27ms	2.55ms	1.99ms		2.76ms	5.07ms	4.35ms		2.68ms	4.13ms	3.79ms	
		16	5.06ms	10.22ms	8.02ms		11.07ms	20.31ms	17.4ms		10.63ms	16.65ms	15.28ms	
		32	10.07ms	20.4ms	16.0ms		22.06ms	40.44ms	34.73ms		21.11ms	33.06ms	30.37ms	
	san miguel	4	4.74ms	17.33ms	10.98ms		6.64ms	23.03ms	15.39ms		4.86ms	14.98ms	10.55ms	
		16	19.05ms	69.18ms	43.75ms		26.28ms	91.6ms	61.07ms		19.16ms	59.66ms	42.21ms	
		32	38.05ms	138.11ms	87.35ms		52.78ms	182.8ms	121.68ms		38.11ms	119.1ms	84.24ms	
	sponza	4	0.73ms	1.26ms	1.06ms		1.89ms	3.32ms	3.09ms		1.92ms	3.27ms	3.12ms	
		16	2.59ms	5.09ms	4.21ms		7.61ms	13.38ms	12.44ms		7.83ms	13.17ms	12.59ms	
		32	5.27ms	10.18ms	8.49ms		15.22ms	26.63ms	24.77ms		15.52ms	26.14ms	24.98ms	
	viking	4	2.65ms	8.01ms	5.39ms		3.82ms	10.95ms	7.84ms		3.01ms	7.65ms	5.89ms	
		16	10.88ms	31.9ms	22.13ms		15.08ms	43.37ms	31.4ms		12.01ms	30.58ms	24.37ms	
		32	21.33ms	63.29ms	43.8ms		29.98ms	86.69ms	62.71ms		23.89ms	60.41ms	48.07ms	
NV980	bistro	4	1.41ms	1.21ms	1.07ms	1.36ms	2.4ms	2.22ms	2.15ms	2.27ms	2.14ms	1.91ms	1.86ms	2.05ms
		16	5.38ms	4.65ms	4.28ms	5.17ms	9.46ms	8.99ms	8.61ms	9.04ms	8.51ms	7.7ms	7.59ms	7.97ms
		32	10.67ms	9.27ms	8.52ms	10.32ms	18.92ms	17.9ms	17.2ms	18.0ms	17.03ms	15.43ms	15.11ms	15.93ms
	san miguel	4	5.48ms	5.11ms	3.97ms	5.13ms	7.43ms	7.02ms	5.82ms	6.67ms	5.3ms	4.78ms	4.14ms	4.73ms
		16	23.59ms	20.45ms	15.87ms	20.46ms	31.06ms	28.08ms	23.23ms	26.73ms	20.9ms	19.39ms	16.79ms	18.38ms
		32	48.41ms	40.97ms	31.91ms	41.4ms	62.36ms	55.83ms	46.11ms	53.33ms	42.13ms	38.69ms	33.42ms	36.92ms
	sponza	4	0.63ms	0.57ms	0.54ms	0.54ms	1.55ms	1.5ms	1.4ms	1.35ms	1.56ms	1.38ms	1.36ms	1.34ms
		16	2.48ms	2.3ms	2.12ms	2.05ms	6.35ms	5.78ms	5.7ms	5.54ms	6.3ms	5.48ms	5.39ms	5.57ms
		32	5.3ms	4.51ms	4.2ms	4.13ms	12.91ms	11.6ms	11.27ms	10.98ms	12.65ms	11.02ms	10.84ms	10.91ms
	viking	4	3.12ms	2.8ms	2.39ms	3.03ms	4.22ms	3.9ms	3.4ms	3.94ms	3.12ms	2.92ms	2.64ms	3.04ms
		16	12.96ms	11.29ms	9.57ms	11.87ms	17.25ms	15.54ms	13.71ms	15.61ms	12.38ms	11.87ms	10.96ms	11.97ms
		32	26.49ms	22.59ms	19.12ms	23.79ms	34.65ms	31.23ms	27.4ms	31.13ms	24.96ms	23.45ms	21.5ms	23.75ms
NV1060	bistro	4	1.81ms	1.39ms	1.5ms	1.82ms	2.54ms	3.07ms	2.88ms	2.65ms	2.34ms	2.34ms	2.37ms	2.52ms
		16	4.79ms	4.88ms	4.81ms	4.62ms	8.33ms	8.96ms	8.9ms	8.22ms	7.55ms	7.85ms	7.89ms	7.26ms
		32	9.4ms	9.74ms	9.57ms	9.09ms	17.03ms	17.98ms	17.94ms	16.6ms	15.3ms	15.75ms	15.93ms	14.64ms
	san miguel	4	5.01ms	5.24ms	4.7ms	4.61ms	6.59ms	7.15ms	6.7ms	6.08ms	4.51ms	4.91ms	4.66ms	4.26ms
		16	21.98ms	21.2ms	19.21ms	18.49ms	28.5ms	28.41ms	26.49ms	24.15ms	18.87ms	19.74ms	18.84ms	16.57ms
		32	45.15ms	41.96ms	38.06ms	37.11ms	57.48ms	56.14ms	52.22ms	48.26ms	38.7ms	39.31ms	37.55ms	33.32ms
	sponza	4	0.61ms	0.67ms	0.92ms	0.56ms	1.73ms	1.86ms	2.49ms	2.17ms	1.79ms	2.46ms	2.62ms	2.34ms
		16	2.65ms	2.35ms	2.3ms	2.35ms	5.76ms	5.51ms	5.48ms	5.11ms	5.64ms	5.5ms	5.47ms	5.18ms
		32	4.78ms	4.2ms	4.12ms	3.89ms	12.07ms	11.18ms	11.11ms	10.49ms	11.74ms	11.11ms	11.09ms	10.47ms
	viking	4	2.66ms	2.86ms	2.76ms	2.68ms	3.62ms	4.06ms	3.91ms	3.73ms	2.74ms	3.26ms	3.2ms	2.97ms
		16	11.27ms	11.83ms	11.39ms	10.61ms	15.0ms	16.2ms	15.72ms	14.11ms	10.94ms	12.43ms	12.44ms	10.9ms
		32	23.31ms	23.68ms	22.72ms	21.4ms	30.79ms	32.21ms	31.35ms	28.3ms	22.39ms	24.59ms	24.38ms	21.7ms
NV1650SUPER	bistro	4	1.34ms	1.23ms	1.25ms	1.16ms	2.68ms	3.61ms	3.66ms	3.28ms	2.54ms	3.25ms	3.19ms	3.0ms
		16	4.91ms	4.84ms	4.9ms	4.53ms	10.55ms	13.83ms	13.84ms	12.76ms	9.84ms	12.27ms	12.35ms	11.45ms
		32	9.74ms	9.55ms	9.58ms	8.89ms	20.91ms	27.2ms	27.34ms	25.08ms	19.47ms	24.05ms	24.19ms	22.57ms
	san miguel	4	4.43ms	4.18ms	3.99ms	3.42ms	6.38ms	7.42ms	7.34ms	6.63ms	4.94ms	5.76ms	5.68ms	5.37ms
		16	18.7ms	16.38ms	15.49ms	13.09ms	26.45ms	28.63ms	28.23ms	24.03ms	18.88ms	22.11ms	22.01ms	19.02ms
		32	36.87ms	32.04ms	30.86ms	25.71ms	50.84ms	56.43ms	55.52ms	46.85ms	37.22ms	43.72ms	43.43ms	37.16ms
	sponza	4	0.72ms	0.69ms	0.72ms	0.64ms	2.03ms	2.84ms	2.84ms	2.55ms	2.07ms	3.04ms	2.92ms	2.53ms
		16	2.75ms	2.64ms	2.63ms	2.48ms	8.04ms	11.03ms	11.05ms	10.0ms	8.1ms	11.08ms	11.04ms	9.78ms
		32	5.66ms	5.08ms	5.22ms	4.74ms	16.1ms	21.84ms	21.89ms	19.71ms	16.01ms	21.73ms	21.61ms	19.3ms
	viking	4	2.38ms	2.35ms	2.35ms	2.14ms	3.7ms	4.16ms	4.18ms	3.6ms	3.17ms	3.41ms	3.47ms	3.11ms
		16	9.99ms	9.37ms	9.2ms	8.15ms	14.63ms	16.46ms	16.39ms	14.23ms	11.9ms	13.57ms	13.69ms	12.6ms
		32	20.02ms	18.56ms	18.25ms	16.26ms	29.1ms	32.43ms	32.42ms	28.15ms	23.52ms	26.49ms	26.64ms	23.66ms
NV2080	bistro	4	0.75ms	0.61ms	0.65ms	0.63ms	1.57ms	1.39ms	1.42ms	1.33ms	1.36ms	1.3ms	1.26ms	1.26ms
		16	2.5ms	2.35ms	2.31ms	2.18ms	5.74ms	4.95ms	4.93ms	4.76ms	5.11ms	4.51ms	4.52ms	4.44ms
		32	5.66ms	4.51ms	4.31ms	4.08ms	10.8ms	9.76ms	9.59ms	9.49ms	10.0ms	8.87ms	8.85ms	8.78ms
	san miguel	4	2.81ms	3.5ms	3.46ms	2.3ms	3.97ms	3.97ms	3.72ms	3.19ms	2.75ms	4.31ms	4.19ms	4.17ms
		16	13.48ms	8.38ms	7.24ms	5.83ms	17.67ms	12.39ms	11.29ms	9.47ms	11.92ms	9.16ms	8.72ms	7.6ms
		32	27.78ms	16.62ms	14.3ms	11.8ms	35.97ms	24.56ms	22.46ms	18.84ms	24.13ms	18.25ms	16.95ms	14.8ms
	sponza	4	0.44ms	0.39ms	0.38ms	0.38ms	1.09ms	1.03ms	1.08ms	1.03ms	1.15ms	1.1ms	0.96ms	1.04ms
		16	2.21ms	1.38ms	1.35ms	1.26ms	4.2ms	3.7ms	3.71ms	3.72ms	4.07ms	3.91ms	3.74ms	3.71ms
		32	5.0ms	2.57ms	2.53ms	2.38ms	8.93ms	7.38ms	7.42ms	7.22ms	8.12ms	7.63ms	7.57ms	7.8ms
	viking	4	1.38ms	1.62ms	1.17ms	1.04ms	1.97ms	1.97ms	2.01ms	1.96ms	2.07ms	1.57ms	1.58ms	1.91ms
		16	5.93ms	4.85ms	4.43ms	3.77ms	9.01ms	7.32ms	6.95ms	6.11ms	6.51ms	6.22ms	6.01ms	5.43ms
		32	12.46ms	9.62ms	8.76ms	7.73ms	17.22ms	14.62ms	13.63ms	12.25ms	12.84ms	11.51ms	11.17ms	10.25ms
NV2080Ti	bistro	4	0.74ms	0.65ms	0.58ms	0.51ms	1.23ms	1.25ms	1.24ms	1.25ms	1.55ms	1.24ms	1.2ms	1.28ms
		16	2.41ms	2.04ms	1.97ms	1.87ms	4.31ms	3.75ms	3.66ms	3.49ms	3.93ms	3.38ms	3.35ms	3.35ms
		32	4.42ms	3.66ms	3.37ms	2.92ms	8.32ms	7.41ms	7.24ms	6.69ms	7.49ms	6.75ms	6.65ms	6.46ms
	san miguel	4	2.81ms	1.77ms	1.49ms	1.12ms	3.75ms	2.62ms	2.3ms	1.67ms	2.56ms	1.96ms	1.99ms	1.86ms
		16	14.25ms	6.95ms	5.57ms	4.36ms	18.39ms	9.77ms	8.58ms	6.81ms	11.26ms	7.13ms	6.52ms	5.4ms
		32	29.99ms	13.99ms	11.67ms	9.16ms	37.17ms	19.78ms	17.12ms	13.81ms	24.07ms	14.24ms	12.91ms	10.82ms
	sponza	4	0.4ms	0.33ms	0.31ms	0.3ms	0.91ms	0.83ms	0.82ms	0.84ms	0.89ms	0.85ms	0.84ms	0.82ms
		16	1.78ms	1.06ms	1.07ms	1.0ms	3.17ms	2.69ms	2.68ms	2.61ms	3.06ms	2.66ms	2.58ms	2.66ms
		32	3.93ms	1.93ms	1.86ms	1.64ms	6.71ms	5.28ms	5.25ms	5.19ms	6.25ms	5.35ms	5.28ms	5.26ms
	viking	4	1.3ms	1.09ms	0.95ms	0.76ms	1.89ms	1.6ms	1.47ms	1.24ms	1.45ms	1.3ms	1.19ms	1.08ms
		16	6.08ms	4.01ms	3.47ms	2.67ms	8.17ms	5.77ms	5.33ms	4.37ms	5.56ms	4.75ms	4.4ms	3.8ms
		32	13.29ms	7.93ms	6.83ms	5.27ms	17.57ms	11.69ms	10.59ms	8.46ms	11.69ms	9.22ms	8.69ms	7.26ms

Table 5: Averaged performance of G-Buffer generation with EASY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for older microarchitectures.

		800x600 C.resolutionName='800x600'					1920x1080 C.resolutionName='1920x1080'					1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$
AMDRX580	bistro	4	7.0ms	3.03ms	3.53ms		8.38ms	4.75ms	5.04ms		5.88ms	3.71ms	4.03ms			
		16	27.87ms	12.12ms	14.07ms		33.22ms	19.02ms	20.03ms		23.36ms	14.88ms	16.12ms			
		32	55.75ms	24.2ms	28.13ms		66.05ms	37.89ms	39.71ms		46.56ms	29.69ms	32.17ms			
	san miguel	4	14.85ms	7.54ms	7.35ms		17.85ms	10.24ms	9.49ms		11.37ms	6.88ms	6.54ms			
		16	58.97ms	30.09ms	29.41ms		70.73ms	40.72ms	37.75ms		44.97ms	27.45ms	26.18ms			
		32	117.6ms	59.97ms	58.56ms		141.35ms	81.02ms	74.98ms		89.68ms	54.74ms	52.29ms			
	sponza	4	1.25ms	0.7ms	0.73ms		1.57ms	1.91ms	1.86ms		1.24ms	1.88ms	1.85ms			
		16	5.0ms	2.81ms	2.97ms		6.34ms	7.68ms	7.46ms		4.98ms	7.65ms	7.45ms			
		32	10.01ms	5.61ms	5.92ms		12.7ms	15.34ms	14.9ms		10.03ms	15.22ms	14.88ms			
	viking	4	8.12ms	3.47ms	4.34ms		9.74ms	4.76ms	5.54ms		6.64ms	3.54ms	4.12ms			
		16	31.6ms	13.85ms	17.3ms		37.81ms	18.99ms	21.82ms		26.35ms	14.33ms	17.22ms			
		32	62.68ms	27.59ms	34.36ms		74.51ms	37.95ms	43.8ms		52.23ms	28.01ms	33.21ms			
NV980	bistro	4	5.8ms	3.18ms	3.25ms	5.9ms	7.02ms	3.96ms	4.04ms	7.14ms	5.0ms	2.86ms	2.92ms	4.97ms		
		16	23.5ms	12.71ms	13.03ms	24.19ms	29.16ms	15.77ms	16.12ms	29.7ms	20.86ms	11.51ms	11.7ms	21.23ms		
		32	48.75ms	25.39ms	25.97ms	49.62ms	58.72ms	31.7ms	32.17ms	60.07ms	43.05ms	23.41ms	23.88ms	43.02ms		
	san miguel	4	12.57ms	6.5ms	6.67ms	11.95ms	15.36ms	8.04ms	8.2ms	14.63ms	9.79ms	5.23ms	5.32ms	9.22ms		
		16	51.43ms	26.22ms	26.83ms	49.44ms	64.93ms	32.23ms	32.84ms	62.35ms	40.55ms	20.92ms	21.35ms	39.0ms		
		32	104.59ms	52.13ms	53.4ms	100.05ms	132.81ms	65.34ms	66.22ms	126.19ms	82.34ms	41.82ms	42.62ms	78.26ms		
	sponza	4	1.07ms	0.56ms	0.57ms	1.04ms	1.4ms	0.92ms	0.92ms	1.29ms	1.09ms	0.77ms	0.76ms	0.98ms		
		16	4.25ms	2.29ms	2.33ms	4.08ms	5.53ms	3.55ms	3.58ms	5.16ms	4.39ms	2.92ms	2.93ms	3.93ms		
		32	8.48ms	4.59ms	4.67ms	8.16ms	11.04ms	7.14ms	7.2ms	10.37ms	8.79ms	5.84ms	5.89ms	7.99ms		
	viking	4	6.84ms	3.9ms	3.98ms	6.99ms	8.22ms	4.69ms	4.78ms	8.21ms	5.61ms	3.34ms	3.41ms	5.79ms		
		16	27.31ms	15.62ms	15.96ms	28.29ms	33.39ms	18.54ms	18.91ms	34.26ms	23.58ms	14.04ms	14.3ms	24.66ms		
		32	55.74ms	31.08ms	31.78ms	57.03ms	66.74ms	37.31ms	37.96ms	68.29ms	47.65ms	27.63ms	27.97ms	49.92ms		
NV1060	bistro	4	6.05ms	3.12ms	3.23ms	6.33ms	7.39ms	3.86ms	3.99ms	7.68ms	5.37ms	3.21ms	3.1ms	5.52ms		
		16	23.93ms	10.93ms	10.74ms	24.1ms	28.8ms	13.83ms	13.67ms	29.01ms	20.4ms	10.12ms	10.2ms	20.56ms		
		32	47.8ms	21.77ms	21.36ms	48.3ms	57.43ms	27.33ms	26.9ms	58.01ms	40.62ms	20.03ms	19.94ms	41.2ms		
	san miguel	4	12.07ms	5.59ms	5.39ms	12.27ms	14.64ms	7.05ms	6.88ms	15.0ms	9.52ms	4.54ms	4.52ms	9.51ms		
		16	48.39ms	22.54ms	21.77ms	48.39ms	58.75ms	27.87ms	27.11ms	58.83ms	37.79ms	17.88ms	17.88ms	37.49ms		
		32	96.58ms	44.71ms	43.25ms	96.03ms	117.71ms	55.56ms	53.86ms	116.68ms	75.67ms	36.46ms	35.64ms	74.94ms		
	sponza	4	1.98ms	0.66ms	1.39ms	1.26ms	2.29ms	1.21ms	1.4ms	1.88ms	1.63ms	1.21ms	1.19ms	1.63ms		
		16	4.14ms	2.0ms	2.12ms	4.01ms	5.61ms	3.25ms	3.27ms	5.48ms	4.56ms	2.86ms	2.84ms	4.31ms		
		32	8.31ms	3.99ms	3.9ms	8.18ms	11.57ms	6.66ms	6.52ms	10.97ms	9.26ms	5.68ms	5.67ms	8.72ms		
	viking	4	6.82ms	3.5ms	3.38ms	7.31ms	8.25ms	4.15ms	4.14ms	8.64ms	5.75ms	3.24ms	3.08ms	6.24ms		
		16	26.97ms	13.17ms	12.94ms	28.09ms	32.54ms	15.91ms	15.67ms	33.69ms	22.67ms	12.09ms	11.88ms	23.99ms		
		32	53.66ms	26.23ms	25.75ms	55.52ms	63.97ms	31.87ms	31.38ms	65.71ms	45.41ms	23.31ms	23.05ms	47.37ms		
NV1650SUPER	bistro	4	5.46ms	2.52ms	2.53ms	1.61ms	6.84ms	3.42ms	3.47ms	2.41ms	4.93ms	2.57ms	2.65ms	1.93ms		
		16	21.39ms	9.89ms	10.08ms	6.42ms	26.76ms	13.38ms	13.6ms	9.42ms	19.35ms	10.23ms	10.3ms	7.67ms		
		32	42.42ms	19.56ms	19.9ms	12.58ms	52.95ms	26.17ms	26.71ms	18.55ms	38.46ms	20.13ms	20.39ms	15.23ms		
	san miguel	4	10.61ms	4.91ms	4.96ms	2.92ms	13.01ms	6.27ms	6.4ms	4.08ms	8.59ms	4.3ms	4.39ms	2.88ms		
		16	42.04ms	19.48ms	19.8ms	11.69ms	51.41ms	24.88ms	25.42ms	15.95ms	33.57ms	16.94ms	17.26ms	11.43ms		
		32	83.5ms	38.6ms	39.35ms	23.18ms	103.4ms	49.25ms	50.27ms	31.75ms	67.42ms	33.63ms	34.27ms	22.83ms		
	sponza	4	1.07ms	0.49ms	0.51ms	0.36ms	1.49ms	1.04ms	1.05ms	0.84ms	1.22ms	0.91ms	0.98ms	0.83ms		
		16	4.0ms	1.99ms	2.05ms	1.51ms	5.8ms	3.93ms	3.9ms	3.48ms	4.88ms	3.51ms	3.48ms	3.13ms		
		32	7.98ms	3.92ms	4.01ms	2.92ms	11.57ms	7.78ms	7.9ms	6.9ms	9.51ms	6.95ms	6.95ms	6.23ms		
	viking	4	6.06ms	3.04ms	2.98ms	1.89ms	7.47ms	3.78ms	3.74ms	2.5ms	5.21ms	2.78ms	2.78ms	1.91ms		
		16	23.68ms	11.72ms	11.78ms	7.34ms	28.86ms	14.67ms	14.73ms	9.75ms	20.61ms	11.31ms	11.35ms	7.81ms		
		32	46.6ms	23.31ms	23.39ms	14.56ms	57.13ms	29.2ms	29.43ms	19.4ms	40.65ms	21.65ms	21.82ms	14.97ms		
NV2080	bistro	4	4.34ms	1.58ms	1.49ms	1.19ms	5.18ms	1.95ms	1.91ms	1.5ms	3.68ms	1.43ms	1.38ms	1.13ms		
		16	16.59ms	6.0ms	5.76ms	4.66ms	19.79ms	7.52ms	7.22ms	5.79ms	14.07ms	5.53ms	5.39ms	4.52ms		
		32	33.14ms	11.94ms	11.44ms	9.0ms	39.12ms	14.39ms	14.11ms	11.33ms	27.6ms	10.94ms	10.54ms	8.81ms		
	san miguel	4	8.54ms	3.44ms	3.03ms	2.37ms	10.22ms	4.03ms	4.04ms	3.35ms	7.29ms	3.5ms	2.52ms	1.89ms		
		16	33.97ms	12.44ms	11.97ms	8.98ms	40.63ms	15.04ms	14.49ms	10.98ms	26.8ms	10.63ms	9.86ms	7.85ms		
		32	67.68ms	24.82ms	23.64ms	17.6ms	81.6ms	30.58ms	28.97ms	21.97ms	52.65ms	20.19ms	19.29ms	14.67ms		
	sponza	4	0.81ms	0.35ms	0.32ms	0.26ms	1.01ms	0.47ms	0.46ms	0.38ms	0.82ms	0.41ms	0.41ms	0.36ms		
		16	3.04ms	1.19ms	1.16ms	0.95ms	3.72ms	1.85ms	1.81ms	1.65ms	2.89ms	1.62ms	1.63ms	1.51ms		
		32	6.04ms	2.42ms	2.34ms	2.27ms	7.37ms	3.95ms	3.74ms	3.33ms	5.76ms	3.28ms	3.22ms	2.98ms		
	viking	4	4.93ms	1.92ms	1.87ms	1.51ms	5.96ms	2.33ms	2.26ms	1.75ms	4.01ms	1.71ms	1.63ms	1.3ms		
		16	18.8ms	7.56ms	7.34ms	5.7ms	22.23ms	8.85ms	8.57ms	6.66ms	15.61ms	6.8ms	6.53ms	5.22ms		
		32	36.97ms	14.66ms	13.84ms	10.88ms	43.75ms	17.59ms	16.83ms	13.22ms	30.96ms	12.96ms	12.42ms	9.88ms		
NV2080Ti	bistro	4	4.59ms	1.62ms	1.56ms	1.41ms	5.42ms	1.96ms	1.87ms	1.63ms	3.83ms	1.45ms	1.4ms	1.37ms		
		16	18.12ms	6.28ms	5.87ms	5.04ms	21.63ms	7.61ms	7.09ms	6.09ms	15.17ms	5.5ms	5.14ms	4.45ms		
		32	35.92ms	12.59ms	11.64ms	10.07ms	42.64ms	15.25ms	14.09ms	12.17ms	30.01ms	10.92ms	10.22ms	8.93ms		
	san miguel	4	9.18ms	3.3ms	3.1ms	2.52ms	11.07ms	4.03ms	3.78ms	3.12ms	7.21ms	2.63ms	2.44ms	1.98ms		
		16	37.21ms	13.28ms	12.38ms	10.07ms	44.81ms	16.09ms	14.98ms	12.25ms	28.67ms	10.42ms	9.76ms	8.02ms		
		32	73.94ms	26.4ms	24.73ms	20.14ms	89.48ms	31.94ms	29.83ms	24.28ms	57.43ms	20.83ms	19.46ms	15.99ms		
	sponza	4	0.77ms	0.34ms	0.34ms	0.28ms	0.93ms	0.48ms	0.48ms	0.38ms	0.76ms	0.33ms	0.36ms	0.32ms		
		16	3.12ms	1.17ms	1.18ms	0.89ms	3.79ms	1.66ms	1.61ms	1.4ms	2.85ms	1.39ms	1.38ms	1.22ms		
		32	6.28ms	2.35ms	2.24ms	1.82ms	7.57ms	3.23ms	3.14ms	2.76ms	5.68ms	2.67ms	2.65ms	2.43ms		
	viking	4	5.22ms	1.98ms	1.9ms	1.56ms	6.17ms	2.38ms	2.19ms	1.86ms	4.26ms	1.69ms	1.56ms	1.35ms		
		16	20.68ms	7.82ms	7.23ms	6.11ms	24.56ms	9.17ms	8.58ms	7.21ms	17.08ms	6.94ms	6.48ms	5.47ms		
		32	40.79ms	15.61ms	14.43ms	12.27ms	48.12ms	18.65ms	17.31ms	14.68ms	33.9ms	13.52ms	12.58ms	10.72ms		

Table 6: Averaged performance of ID-Buffer generation with HEAVY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{2}, \rightarrow, \square, \square)$  for older microarchitectures.

		800x600 C.resolutionName='800x600'				1920x1080 C.resolutionName='1920x1080'				1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	
AMDRX580	bistro	4	4.99ms	3.7ms	8.22ms		5.89ms	4.78ms	9.52ms		3.88ms	3.62ms	6.9ms	
		16	25.56ms	17.37ms	38.73ms		30.03ms	22.16ms	43.99ms		21.11ms	17.91ms	35.15ms	
		32	51.57ms	33.27ms	72.63ms		60.15ms	43.14ms	83.42ms		42.91ms	35.03ms	67.23ms	
	san miguel	4	13.58ms	10.53ms	20.98ms		16.39ms	12.95ms	24.6ms		9.97ms	8.64ms	16.81ms	
		16	57.78ms	46.52ms	95.71ms		69.43ms	57.18ms	112.82ms		43.33ms	37.99ms	75.81ms	
		32	111.53ms	89.59ms	184.7ms		135.93ms	111.67ms	219.73ms		83.75ms	73.35ms	146.39ms	
	sponza	4	1.42ms	0.94ms	1.8ms		1.63ms	1.83ms	2.53ms		1.33ms	1.83ms	2.39ms	
		16	5.37ms	3.92ms	7.67ms		6.74ms	7.95ms	10.74ms		5.4ms	7.97ms	9.71ms	
		32	9.37ms	7.09ms	13.91ms		12.09ms	15.23ms	19.97ms		9.55ms	14.94ms	17.68ms	
	viking village	4	15.1ms	9.28ms	19.75ms		17.47ms	10.74ms	21.41ms		12.98ms	8.71ms	18.25ms	
		16	32.72ms	21.97ms	46.63ms		38.8ms	26.74ms	53.55ms		27.09ms	20.12ms	40.76ms	
		32	69.79ms	47.35ms	99.4ms		83.16ms	58.38ms	115.74ms		56.48ms	42.58ms	85.44ms	
NV980	bistro	4	3.93ms	5.13ms	4.97ms	7.55ms	4.67ms	5.91ms	5.88ms	8.67ms	3.24ms	4.37ms	4.25ms	6.0ms
		16	19.2ms	24.19ms	23.43ms	36.14ms	23.18ms	27.0ms	26.38ms	41.29ms	16.54ms	21.57ms	21.03ms	30.54ms
		32	38.96ms	45.65ms	44.24ms	72.13ms	46.74ms	51.53ms	50.3ms	81.34ms	33.91ms	41.29ms	40.4ms	60.92ms
	san miguel	4	9.74ms	12.36ms	11.98ms	19.01ms	11.98ms	14.35ms	14.1ms	22.46ms	7.39ms	9.68ms	9.59ms	14.35ms
		16	41.82ms	56.67ms	54.94ms	82.08ms	51.02ms	66.69ms	65.24ms	98.99ms	32.34ms	44.75ms	43.69ms	61.93ms
		32	81.76ms	110.67ms	106.8ms	171.48ms	102.44ms	131.86ms	128.84ms	205.54ms	62.95ms	87.22ms	85.38ms	126.32ms
	sponza	4	0.96ms	1.15ms	1.01ms	1.74ms	1.24ms	1.25ms	1.24ms	2.12ms	1.04ms	1.11ms	1.16ms	1.69ms
		16	4.3ms	4.56ms	4.57ms	7.0ms	5.63ms	5.71ms	5.84ms	8.77ms	4.59ms	4.83ms	4.75ms	6.93ms
		32	7.01ms	8.13ms	8.02ms	12.25ms	9.98ms	10.71ms	10.69ms	15.91ms	8.09ms	8.66ms	8.66ms	12.36ms
	viking village	4	11.17ms	12.24ms	11.92ms	19.21ms	13.01ms	13.09ms	12.89ms	21.89ms	9.76ms	11.39ms	10.99ms	16.97ms
		16	24.19ms	28.89ms	27.64ms	44.77ms	29.06ms	32.6ms	31.63ms	51.86ms	20.55ms	25.14ms	24.35ms	37.33ms
		32	51.83ms	61.54ms	59.28ms	101.58ms	62.65ms	71.13ms	68.91ms	114.24ms	43.14ms	52.9ms	51.25ms	82.08ms
NV1060	bistro	4	5.18ms	5.93ms	6.34ms	8.17ms	5.62ms	6.39ms	6.63ms	9.71ms	4.55ms	5.52ms	5.6ms	6.39ms
		16	21.76ms	24.83ms	27.4ms	40.79ms	26.07ms	28.29ms	30.79ms	46.47ms	18.59ms	22.25ms	24.51ms	34.19ms
		32	43.93ms	46.81ms	51.83ms	76.4ms	52.06ms	53.53ms	58.25ms	87.41ms	37.48ms	42.97ms	46.91ms	65.45ms
	san miguel	4	11.25ms	12.85ms	14.2ms	21.43ms	13.67ms	14.92ms	16.68ms	25.52ms	8.65ms	10.56ms	11.3ms	16.36ms
		16	46.94ms	57.72ms	64.07ms	89.83ms	56.98ms	68.8ms	75.66ms	106.96ms	35.78ms	45.98ms	50.51ms	69.1ms
		32	90.88ms	111.65ms	124.11ms	175.85ms	112.08ms	134.94ms	148.24ms	213.11ms	69.93ms	90.45ms	99.15ms	134.39ms
	sponza	4	1.3ms	1.33ms	1.45ms	2.4ms	1.69ms	1.68ms	1.85ms	2.27ms	1.45ms	1.52ms	1.63ms	2.33ms
		16	4.25ms	5.71ms	5.62ms	7.6ms	6.22ms	6.3ms	6.39ms	9.49ms	4.79ms	5.62ms	5.62ms	7.42ms
		32	7.74ms	8.5ms	9.08ms	13.98ms	11.18ms	11.45ms	12.36ms	17.81ms	8.86ms	9.41ms	9.8ms	13.73ms
	viking village	4	12.74ms	12.55ms	14.0ms	22.01ms	14.6ms	13.96ms	15.15ms	25.06ms	11.16ms	12.0ms	13.13ms	19.01ms
		16	27.57ms	29.4ms	32.86ms	49.91ms	32.89ms	33.89ms	37.31ms	58.4ms	23.46ms	26.19ms	28.91ms	42.31ms
		32	58.45ms	62.65ms	69.52ms	104.52ms	70.16ms	72.98ms	80.2ms	122.51ms	48.52ms	54.53ms	60.07ms	87.73ms
NV1650SUPER	bistro	4	4.4ms	5.37ms	5.23ms	3.99ms	5.5ms	5.75ms	6.42ms	4.91ms	3.96ms	4.36ms	4.61ms	3.78ms
		16	19.91ms	22.89ms	23.56ms	16.6ms	25.66ms	26.14ms	26.67ms	20.11ms	18.83ms	20.92ms	21.52ms	16.53ms
		32	39.87ms	42.59ms	43.67ms	30.9ms	51.04ms	49.59ms	49.59ms	37.83ms	37.8ms	39.7ms	40.58ms	31.46ms
	san miguel	4	10.81ms	12.21ms	12.31ms	8.83ms	13.42ms	14.17ms	14.37ms	10.55ms	8.53ms	10.29ms	10.49ms	8.04ms
		16	41.79ms	52.36ms	53.47ms	36.75ms	53.53ms	62.65ms	63.84ms	45.33ms	34.59ms	42.37ms	43.24ms	31.39ms
		32	81.24ms	102.15ms	104.3ms	71.6ms	104.49ms	122.79ms	124.92ms	88.41ms	67.54ms	82.57ms	84.4ms	61.15ms
	sponza	4	1.12ms	1.18ms	1.38ms	1.04ms	1.88ms	1.64ms	1.37ms	1.16ms	1.58ms	1.26ms	1.53ms	1.08ms
		16	4.86ms	4.87ms	4.92ms	3.62ms	7.06ms	6.03ms	6.37ms	5.65ms	5.8ms	5.37ms	5.41ms	4.98ms
		32	8.37ms	7.9ms	8.01ms	6.91ms	12.93ms	11.48ms	11.65ms	10.4ms	10.27ms	9.46ms	9.62ms	8.97ms
	viking village	4	11.38ms	11.65ms	11.89ms	8.23ms	13.61ms	12.77ms	13.04ms	9.15ms	10.44ms	11.01ms	11.03ms	7.99ms
		16	24.57ms	26.97ms	27.52ms	19.35ms	30.71ms	31.08ms	31.88ms	22.99ms	22.13ms	24.05ms	24.76ms	18.19ms
		32	52.47ms	57.49ms	58.72ms	41.0ms	65.63ms	66.77ms	68.16ms	49.37ms	46.14ms	50.25ms	51.32ms	37.79ms
NV2080	bistro	4	2.3ms	2.76ms	2.82ms	2.07ms	2.82ms	3.25ms	3.27ms	2.64ms	2.21ms	2.3ms	2.41ms	2.01ms
		16	9.86ms	10.19ms	10.46ms	8.95ms	11.61ms	11.13ms	11.92ms	10.53ms	9.21ms	8.9ms	9.51ms	8.55ms
		32	17.83ms	18.73ms	18.69ms	14.05ms	22.73ms	21.2ms	21.48ms	16.71ms	16.98ms	16.94ms	17.17ms	13.99ms
	san miguel	4	5.7ms	6.66ms	6.35ms	5.88ms	7.47ms	7.47ms	7.48ms	6.09ms	5.09ms	5.67ms	4.86ms	4.94ms
		16	19.77ms	23.2ms	23.28ms	17.31ms	24.15ms	27.91ms	27.87ms	20.55ms	16.42ms	18.9ms	19.28ms	15.34ms
		32	36.29ms	44.97ms	45.06ms	31.76ms	46.76ms	54.0ms	54.09ms	39.34ms	30.76ms	36.43ms	36.54ms	27.97ms
	sponza	4	0.6ms	0.56ms	0.56ms	0.48ms	0.71ms	0.71ms	0.72ms	0.69ms	0.62ms	0.63ms	0.68ms	0.64ms
		16	2.71ms	2.26ms	2.16ms	2.12ms	3.75ms	3.19ms	2.98ms	2.9ms	3.34ms	2.75ms	2.78ms	2.78ms
		32	4.58ms	4.23ms	4.39ms	3.64ms	6.52ms	5.21ms	5.32ms	5.24ms	5.5ms	4.63ms	4.66ms	6.69ms
	viking village	4	6.89ms	6.32ms	6.35ms	4.49ms	8.38ms	6.32ms	6.43ms	4.91ms	6.11ms	5.85ms	6.21ms	4.92ms
		16	11.03ms	12.25ms	12.63ms	9.11ms	13.83ms	13.81ms	14.01ms	11.77ms	10.2ms	11.24ms	11.15ms	8.8ms
		32	23.35ms	25.22ms	25.17ms	18.32ms	29.46ms	29.36ms	29.71ms	22.01ms	20.92ms	22.06ms	22.12ms	17.12ms
NV2080Ti	bistro	4	1.84ms	2.45ms	2.43ms	1.62ms	2.32ms	2.75ms	2.7ms	2.0ms	1.64ms	1.84ms	1.9ms	1.5ms
		16	6.53ms	8.25ms	8.2ms	5.21ms	8.26ms	9.03ms	9.04ms	6.77ms	6.11ms	7.37ms	7.29ms	5.66ms
		32	12.31ms	15.52ms	15.06ms	9.72ms	16.16ms	17.15ms	16.98ms	11.95ms	12.37ms	13.74ms	13.49ms	10.04ms
	san miguel	4	3.1ms	4.44ms	5.07ms	2.76ms	4.0ms	5.53ms	5.15ms	3.89ms	3.05ms	4.2ms	3.67ms	3.29ms
		16	13.82ms	19.04ms	18.78ms	12.31ms	17.76ms	22.71ms	22.53ms	15.67ms	12.27ms	15.19ms	14.88ms	10.73ms
		32	26.31ms	37.29ms	36.62ms	23.31ms	33.43ms	43.58ms	43.01ms	29.07ms	22.41ms	29.29ms	29.0ms	20.18ms
	sponza	4	0.51ms	0.52ms	0.5ms	0.4ms	0.73ms	0.63ms	0.6ms	0.58ms	0.63ms	0.54ms	0.59ms	0.55ms
		16	2.19ms	1.51ms	2.08ms	1.35ms	3.29ms	1.81ms	1.86ms	1.77ms	2.7ms	2.5ms	1.58ms	1.71ms
		32	3.58ms	3.66ms	2.66ms	2.39ms	4.23ms	3.82ms	3.86ms	3.86ms	4.24ms	3.65ms	3.74ms	3.72ms
	viking village	4	3.57ms	4.39ms	4.79ms	2.99ms	4.23ms	4.69ms	5.0ms	3.26ms	3.65ms	4.5ms	3.96ms	3.3ms
		16	7.64ms	9.85ms	9.56ms	5.91ms	9.65ms	11.12ms	10.96ms	7.51ms	7.0ms	8.5ms	8.35ms	5.72ms
		32	16.16ms	20.88ms	20.43ms	12.5ms	20.58ms	23.85ms	23.48ms	15.69ms	14.94ms	17.74ms	17.4ms	11.94ms

Table 7: Averaged performance of Shadow Map generation with HEAVY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for older microarchitectures.

		800x600 C.resolutionName='800x600'				1920x1080 C.resolutionName='1920x1080'				1440x1600 C.resolutionName='1440x1600'				
		$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(N, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	$\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$	
AMD RX580	bistro	4	4.58ms	2.69ms	2.76ms		6.28ms	5.17ms	4.98ms		5.03ms	4.21ms	4.3ms	
		16	18.27ms	10.82ms	11.08ms		24.83ms	20.72ms	19.94ms		19.98ms	16.94ms	17.35ms	
		32	36.13ms	21.48ms	21.87ms		49.46ms	41.32ms	39.71ms		39.77ms	33.7ms	34.46ms	
	san miguel	4	18.94ms	17.63ms	11.52ms		22.93ms	23.27ms	15.79ms		15.22ms	15.17ms	11.0ms	
		16	75.42ms	70.37ms	46.18ms		91.07ms	92.87ms	62.87ms		60.14ms	60.44ms	43.99ms	
		32	150.58ms	140.64ms	92.17ms		181.62ms	185.15ms	124.89ms		120.07ms	120.74ms	88.0ms	
	sponza	4	1.48ms	1.28ms	1.11ms		2.7ms	3.31ms	3.11ms		2.51ms	3.27ms	3.13ms	
		16	5.92ms	5.16ms	4.49ms		10.87ms	13.39ms	12.56ms		10.05ms	13.2ms	12.69ms	
		32	11.87ms	10.32ms	9.0ms		21.7ms	26.66ms	24.96ms		20.04ms	26.26ms	25.16ms	
	vikings	4	10.84ms	8.32ms	6.5ms		13.34ms	11.25ms	8.94ms		9.43ms	7.87ms	6.81ms	
		16	42.85ms	33.18ms	26.75ms		52.08ms	44.6ms	35.86ms		37.15ms	31.45ms	28.34ms	
		32	85.41ms	65.87ms	53.21ms		103.69ms	89.13ms	71.59ms		73.38ms	62.08ms	55.33ms	
NV980	bistro	4	3.67ms	2.4ms	2.34ms	3.7ms	4.76ms	3.45ms	3.4ms	4.71ms	3.68ms	2.6ms	2.75ms	3.69ms
		16	14.68ms	9.57ms	9.36ms	14.64ms	19.29ms	13.86ms	13.68ms	19.52ms	14.81ms	11.24ms	11.13ms	15.0ms
		32	29.83ms	19.0ms	18.53ms	30.83ms	40.68ms	27.6ms	27.26ms	40.63ms	31.14ms	22.27ms	22.13ms	31.15ms
	san miguel	4	15.19ms	9.93ms	9.37ms	14.99ms	18.73ms	12.48ms	11.84ms	18.16ms	12.42ms	8.21ms	7.91ms	11.95ms
		16	63.36ms	39.95ms	37.66ms	62.75ms	79.8ms	49.65ms	47.4ms	77.5ms	51.62ms	33.04ms	31.85ms	50.91ms
		32	131.12ms	79.81ms	75.28ms	129.27ms	161.76ms	99.98ms	94.63ms	157.72ms	106.99ms	67.37ms	64.47ms	103.69ms
	sponza	4	1.14ms	0.87ms	0.84ms	1.17ms	1.97ms	1.68ms	1.65ms	1.85ms	1.5ms	1.49ms	1.65ms	
		16	4.6ms	3.39ms	3.28ms	4.42ms	7.98ms	6.73ms	6.74ms	7.51ms	7.39ms	6.14ms	6.13ms	6.79ms
		32	9.24ms	6.68ms	6.62ms	8.91ms	16.03ms	13.53ms	13.45ms	15.29ms	14.77ms	12.3ms	12.3ms	13.4ms
	vikings	4	8.87ms	5.87ms	5.63ms	8.9ms	10.92ms	7.36ms	7.14ms	10.78ms	7.58ms	5.37ms	5.21ms	7.84ms
		16	36.37ms	24.13ms	23.23ms	37.06ms	45.33ms	29.39ms	28.55ms	45.6ms	31.81ms	22.25ms	21.74ms	32.93ms
		32	74.91ms	47.99ms	46.26ms	75.61ms	92.75ms	59.74ms	57.59ms	92.31ms	64.44ms	43.92ms	42.89ms	66.12ms
NV1060	bistro	4	3.73ms	2.2ms	2.29ms	3.76ms	4.73ms	3.44ms	3.55ms	4.91ms	3.75ms	3.1ms	3.1ms	3.84ms
		16	14.97ms	8.31ms	8.54ms	15.1ms	19.21ms	12.66ms	12.38ms	19.05ms	14.91ms	10.23ms	10.48ms	14.56ms
		32	29.57ms	16.35ms	16.82ms	29.96ms	38.42ms	24.9ms	25.43ms	38.7ms	29.84ms	20.47ms	20.99ms	29.44ms
	san miguel	4	15.07ms	8.7ms	8.6ms	15.2ms	18.21ms	11.08ms	10.91ms	18.43ms	11.91ms	7.37ms	7.41ms	12.0ms
		16	60.22ms	35.06ms	34.59ms	60.33ms	63.68ms	43.79ms	43.73ms	72.68ms	47.83ms	29.59ms	29.8ms	47.7ms
		32	121.07ms	69.31ms	68.44ms	120.83ms	146.26ms	86.66ms	86.57ms	145.41ms	95.58ms	58.87ms	59.31ms	94.99ms
	sponza	4	1.66ms	0.91ms	1.23ms	1.77ms	2.67ms	2.08ms	2.61ms	2.59ms	2.62ms	2.86ms	2.1ms	2.19ms
		16	4.47ms	2.89ms	2.94ms	4.33ms	7.84ms	6.25ms	6.32ms	7.4ms	7.13ms	6.01ms	6.06ms	6.64ms
		32	9.03ms	5.88ms	5.97ms	8.82ms	15.96ms	12.79ms	12.92ms	15.04ms	14.74ms	12.21ms	12.31ms	13.53ms
	vikings	4	8.65ms	5.1ms	5.25ms	9.14ms	10.6ms	6.6ms	6.76ms	11.03ms	7.56ms	4.9ms	5.05ms	8.12ms
		16	34.51ms	20.8ms	21.25ms	35.82ms	41.71ms	25.89ms	26.45ms	43.15ms	29.74ms	19.64ms	20.34ms	31.24ms
		32	68.42ms	41.37ms	42.12ms	71.63ms	82.78ms	51.7ms	52.61ms	85.54ms	58.68ms	38.59ms	39.77ms	62.05ms
NV1650SUPER	bistro	4	3.61ms	2.08ms	2.03ms	1.35ms	5.14ms	4.33ms	4.36ms	3.53ms	4.2ms	3.62ms	3.66ms	3.16ms
		16	13.93ms	7.87ms	7.72ms	5.26ms	20.13ms	16.41ms	16.51ms	13.46ms	16.42ms	14.17ms	14.27ms	12.22ms
		32	27.57ms	15.54ms	15.32ms	10.27ms	39.65ms	32.38ms	32.49ms	26.41ms	32.51ms	27.84ms	27.91ms	23.76ms
	san miguel	4	13.42ms	7.31ms	7.1ms	3.98ms	16.63ms	11.04ms	10.72ms	6.87ms	11.36ms	7.72ms	7.78ms	5.66ms
		16	53.04ms	28.85ms	28.13ms	15.55ms	66.15ms	41.53ms	41.42ms	26.54ms	44.28ms	30.02ms	30.06ms	20.61ms
		32	106.5ms	57.14ms	55.69ms	31.06ms	131.61ms	82.3ms	81.66ms	52.44ms	88.05ms	59.78ms	59.77ms	40.75ms
	sponza	4	1.17ms	0.84ms	0.82ms	0.69ms	2.59ms	3.01ms	3.06ms	2.55ms	2.47ms	2.97ms	3.04ms	2.59ms
		16	4.67ms	3.22ms	3.43ms	2.61ms	9.8ms	11.62ms	11.72ms	10.08ms	9.42ms	11.26ms	11.4ms	9.86ms
		32	9.43ms	6.48ms	6.65ms	5.13ms	19.62ms	22.96ms	23.03ms	19.96ms	18.58ms	22.31ms	22.39ms	19.49ms
	vikings	4	7.74ms	4.36ms	4.27ms	2.64ms	9.83ms	6.23ms	6.14ms	4.16ms	7.24ms	4.78ms	4.79ms	3.42ms
		16	30.56ms	17.5ms	17.29ms	9.88ms	38.27ms	24.41ms	24.38ms	16.04ms	28.32ms	19.36ms	19.4ms	13.48ms
		32	60.64ms	34.79ms	34.23ms	19.72ms	76.52ms	48.33ms	48.25ms	31.95ms	55.93ms	37.75ms	37.7ms	26.55ms
NV2080	bistro	4	2.93ms	1.26ms	1.28ms	1.01ms	3.74ms	1.95ms	2.36ms	2.29ms	3.01ms	2.14ms	1.62ms	1.95ms
		16	10.74ms	4.46ms	4.22ms	3.52ms	13.86ms	6.93ms	6.71ms	6.08ms	10.73ms	5.85ms	5.68ms	5.33ms
		32	21.2ms	8.5ms	8.12ms	6.58ms	27.09ms	13.31ms	12.98ms	11.8ms	21.1ms	11.26ms	11.13ms	10.32ms
	san miguel	4	10.73ms	5.09ms	4.99ms	3.76ms	12.87ms	5.94ms	5.68ms	4.71ms	8.55ms	5.0ms	4.83ms	4.55ms
		16	42.9ms	17.39ms	15.97ms	11.38ms	51.83ms	22.01ms	20.88ms	15.51ms	33.63ms	15.24ms	14.59ms	11.34ms
		32	85.03ms	34.27ms	31.66ms	22.57ms	102.74ms	43.27ms	41.14ms	30.59ms	66.63ms	30.42ms	29.06ms	22.36ms
	sponza	4	0.95ms	0.55ms	0.58ms	0.46ms	1.5ms	1.09ms	1.11ms	1.04ms	1.4ms	1.08ms	1.03ms	1.07ms
		16	3.61ms	1.88ms	1.86ms	1.54ms	5.69ms	4.23ms	4.26ms	4.01ms	5.35ms	4.02ms	4.1ms	3.91ms
		32	7.42ms	3.66ms	3.56ms	2.94ms	11.8ms	8.21ms	8.2ms	7.76ms	10.79ms	8.13ms	8.24ms	8.0ms
	vikings	4	6.27ms	2.76ms	2.52ms	1.91ms	7.57ms	3.85ms	3.28ms	2.54ms	5.91ms	2.82ms	2.58ms	2.32ms
		16	24.22ms	10.53ms	9.84ms	7.38ms	29.04ms	13.15ms	12.58ms	9.88ms	20.81ms	10.64ms	9.98ms	8.28ms
		32	48.05ms	20.55ms	19.35ms	14.5ms	57.68ms	25.91ms	24.89ms	19.22ms	41.03ms	19.8ms	18.92ms	15.37ms
NV2080Ti	bistro	4	3.0ms	1.27ms	1.26ms	1.13ms	3.58ms	1.61ms	1.62ms	1.54ms	2.7ms	1.67ms	1.75ms	1.49ms
		16	11.53ms	4.22ms	3.98ms	3.52ms	14.05ms	5.98ms	5.68ms	5.28ms	10.34ms	4.96ms	4.84ms	4.62ms
		32	22.63ms	8.15ms	7.69ms	6.71ms	27.93ms	11.82ms	11.4ms	10.5ms	20.85ms	9.84ms	9.54ms	8.96ms
	san miguel	4	11.78ms	4.2ms	3.97ms	3.24ms	13.79ms	5.19ms	4.96ms	4.02ms	9.06ms	3.52ms	3.4ms	2.99ms
		16	47.26ms	16.8ms	15.89ms	12.85ms	56.13ms	20.72ms	19.82ms	16.08ms	36.2ms	14.32ms	13.42ms	11.14ms
		32	93.82ms	33.38ms	31.78ms	25.37ms	111.9ms	41.29ms	39.41ms	32.18ms	72.5ms	28.27ms	27.0ms	22.42ms
	sponza	4	0.99ms	0.5ms	0.46ms	0.39ms	1.34ms	0.95ms	0.96ms	0.87ms	1.16ms	0.94ms	0.94ms	0.9ms
		16	3.62ms	1.56ms	1.46ms	1.35ms	4.94ms	3.28ms	3.24ms	3.08ms	4.32ms	3.3ms	3.13ms	3.13ms
		32	7.11ms	2.97ms	2.96ms	2.58ms	9.94ms	6.26ms	6.32ms	5.88ms	8.51ms	6.01ms	5.95ms	5.84ms
	vikings	4	6.75ms	2.58ms	2.5ms	2.09ms	8.06ms	3.33ms	3.14ms	2.67ms	5.64ms	2.56ms	2.48ms	2.19ms
		16	26.87ms	10.35ms	9.74ms	7.99ms	31.7ms	12.59ms	11.95ms	10.02ms	22.32ms	9.7ms	9.23ms	7.94ms
		32	53.3ms	20.75ms	19.57ms	16.09ms	63.06ms	25.37ms	24.11ms	20.06ms	43.88ms	18.92ms	18.03ms	15.43ms

Table 8: Averaged performance of G-Buffer generation with HEAVY vertex load for the "most interesting" techniques, for a variety of different graphics cards and configurations. Only one OVR variant has been regarded for each setting, namely  $\mathcal{P}(\frac{N}{4}, \rightarrow, \square, \square)$  for all graphics cards based on NVIDIA Turing microarchitecture (NVIDIA GTX 1650 SUPER, NVIDIA RTX 2080, and the NVIDIA RTX 2080 Ti) and  $\mathcal{P}(\frac{N}{2}, \rightarrow, \square, \square)$  for older microarchitectures.