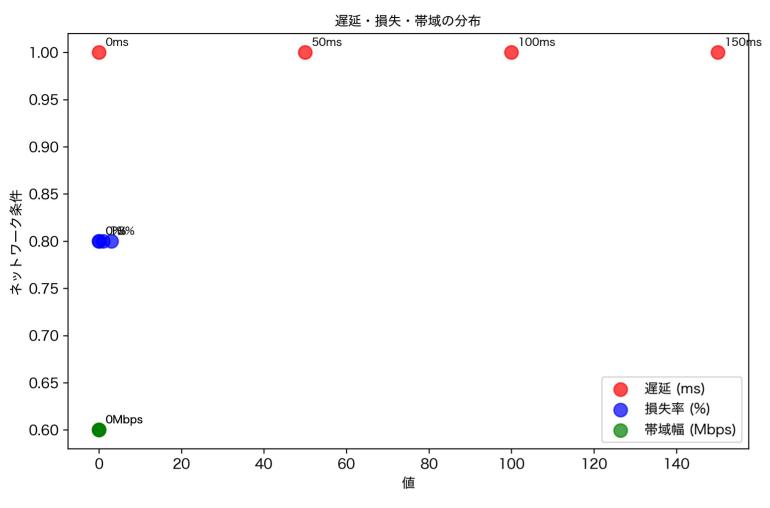
テスト条件とネット<del>ワーク環境設定</del>

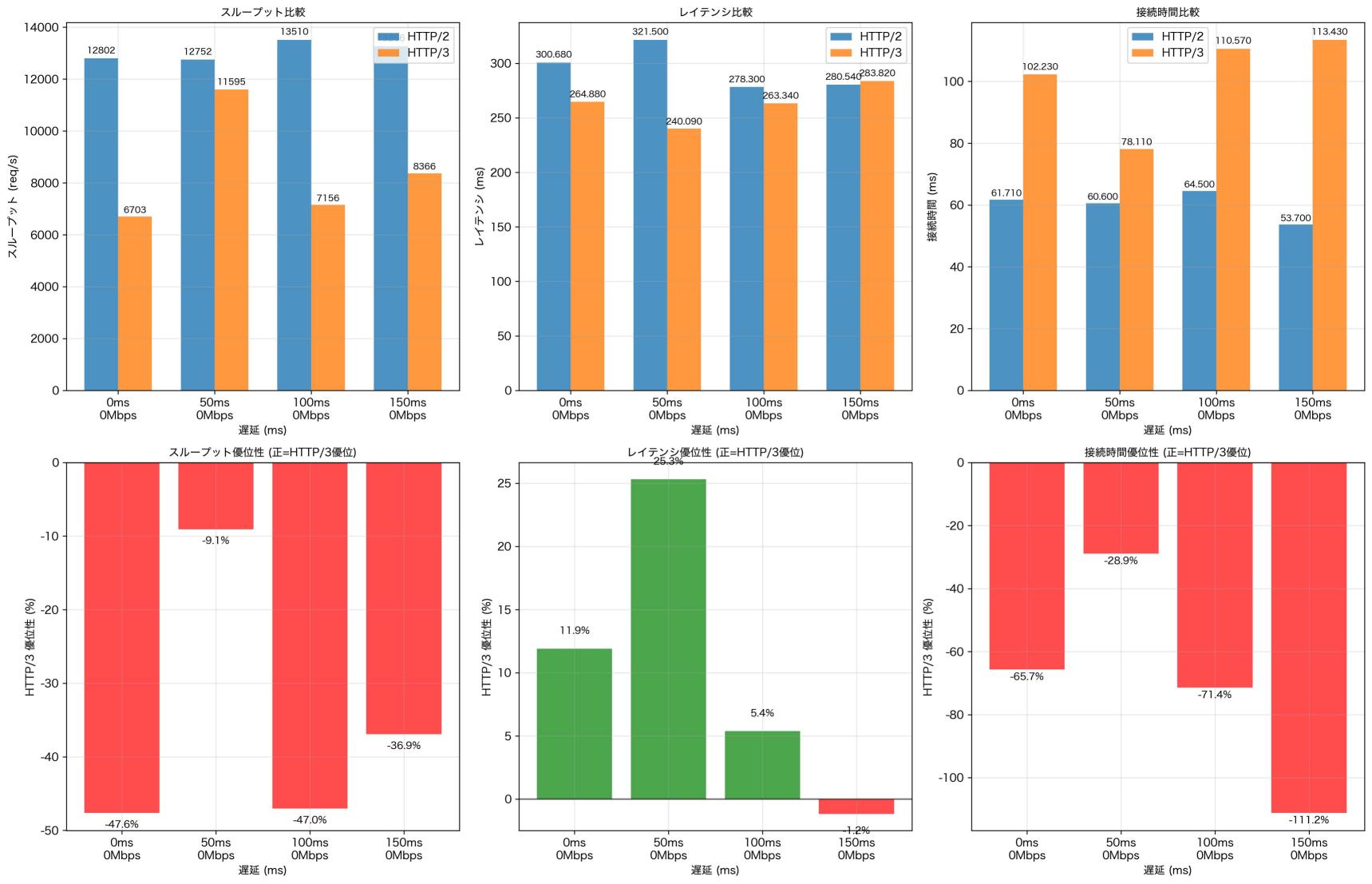


0 -	遅延条件下でのHTTP/3優位性				
-10 <del>-</del>		-9.1%			
HTTP/3優位性 (%) -20 -0 -0					
± -50 -40 -				-36.9%	
- <del>-</del> 40	-47.6%		-47.0%		
-50 -	0,00	500%	100ns	15000°	

テストケース

- ワーク晋培設定			
条件	HTTP/2	HTTP/3	優位性
0ms/0% Throughput	12802	6703	-47.6%
0ms/0% Latency	300.680	264.880	+11.9%
0ms/0% Connection Time	61.710	102.230	-65.7%
50ms/0% Throughput	12752	11595	-9.1%
50ms/0% Latency	321.500	240.090	+25.3%
50ms/0% Connection Time	60.600	78.110	-28.9%
100ms/1% Throughput	13510	7156	-47.0%
100ms/1% Latency	278.300	263.340	+5.4%
100ms/1% Connection Time	64.500	110.570	-71.4%
150ms/3% Throughput	13266	8366	-36.9%
150ms/3% Latency	280.540	283.820	-1.2%
150ms/3% Connection Time	53.700	113.430	-111.2%
			·

実行日時	2025-07-06 23:18:33
	值
テストケース数	4
	0ms - 150ms
	0% - 3%
帯域範囲	0Mbps - 0Mbps
HTTP/3優位ケース	0/4
HTTP/2優位ケース	4/4
平均スループット優位性	-35.2%
平均レイテンシ優位性	10.4%
平均接続時間優位性	-69.3%
ベンチマーク設定	
総リクエスト数	10000
同時接続数	100
並列スレッド数	20
最大同時ストリーム数	100
ウォームアップリクエスト数	1000
測定リクエスト数	9000
ウォームアップ時間(秒)	2
ベンチマーク実行スクリプト	run_bench.sh



HTTP/3 vs HTTP/2 Performance Reversal Phenomenon Detailed Analysis Bandwidth and Throughput Advantage Relationship Delay and Throughput Advantage Relationship 140 120 -10 -10 - 100 HTTP/3 Advantage (%) HTTP/3 Advantage (%) Throughput Advantage --- Equilibrium Line 60 40 -36.9% -40 -40 - 20 -47.0% -50 20 80 100 120 140 0.00 0.04 40 60 -0.04 -0.02 0.02 遅延 (ms) Bandwidth (Mbps) Performance Comparison Matrix (Green=HTTP/3 Advantage, Red=HTTP/2 Advantage) Performance Reversal Threshold Analysis 100 75 -47.6% -9.1% -47.0% -36.9% Throughput -10 50 HTTP/3 Advantage (%) HTTP/3 Advantage (%) 25 11.9% 25.3% 5.4% -1.2% 0 Latency -50 -40 · -65.7% -28.9% -71.4% -111.2% Connection Time -75 --- Estimated Threshold -50 **Test Case**