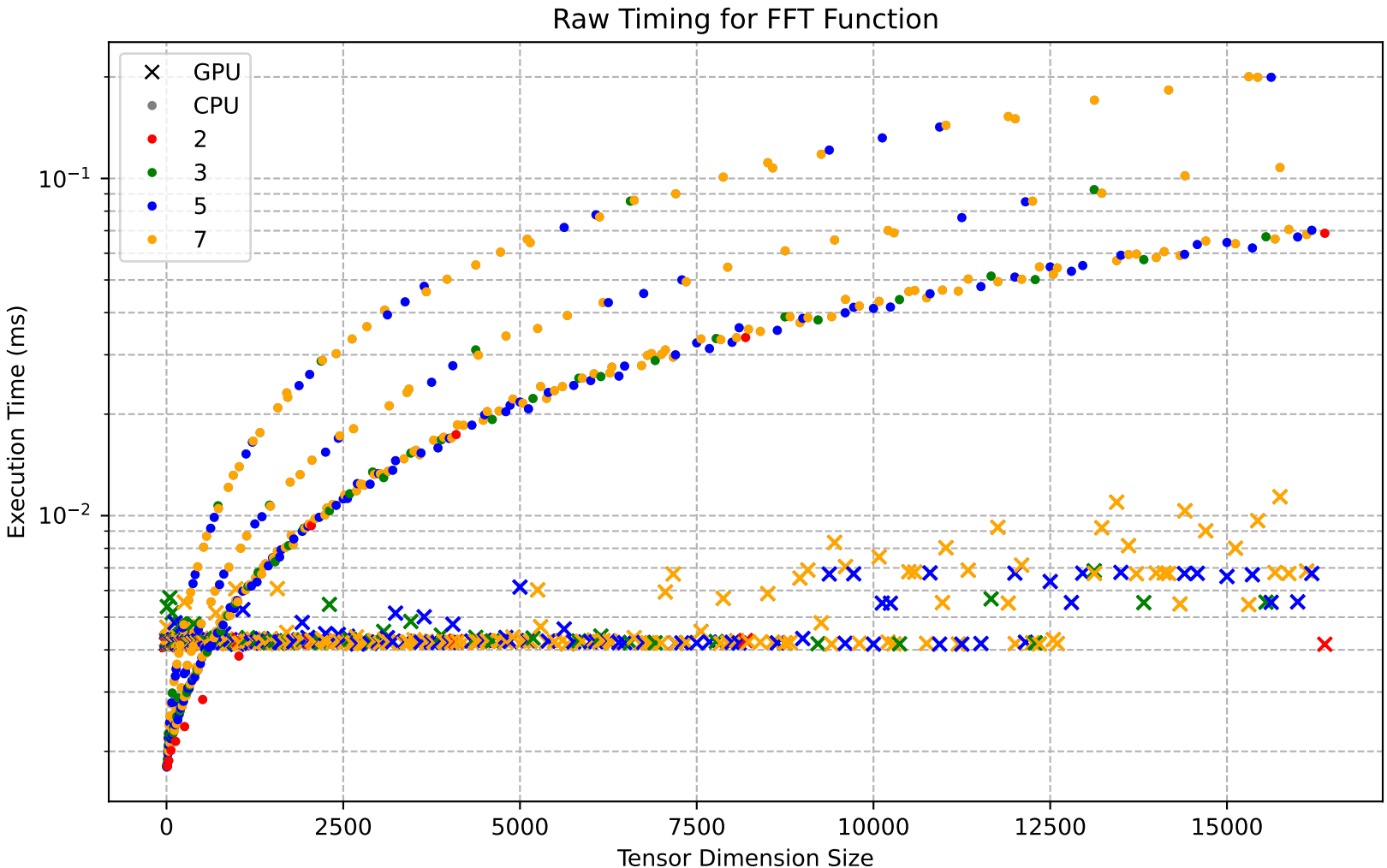
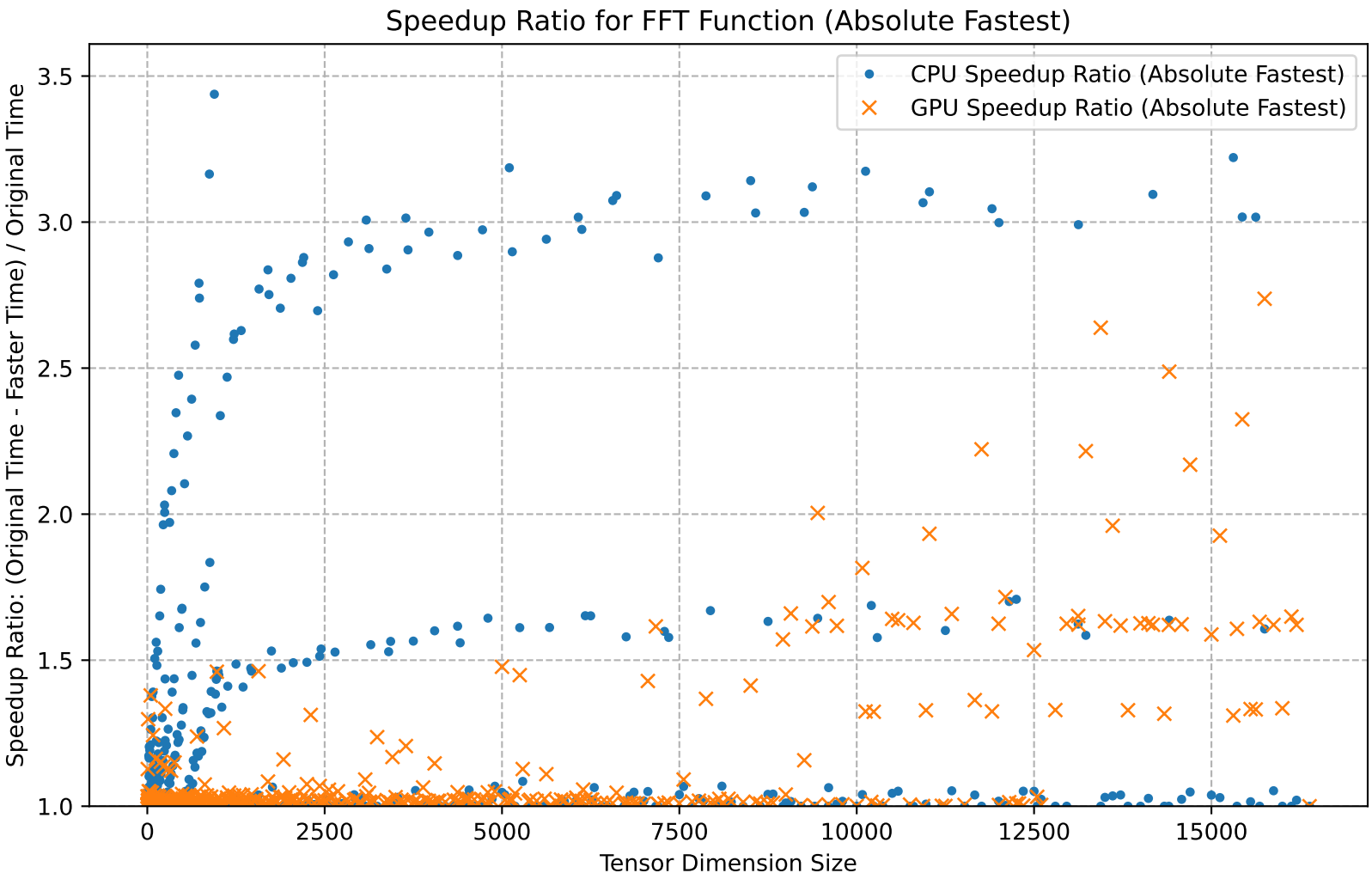
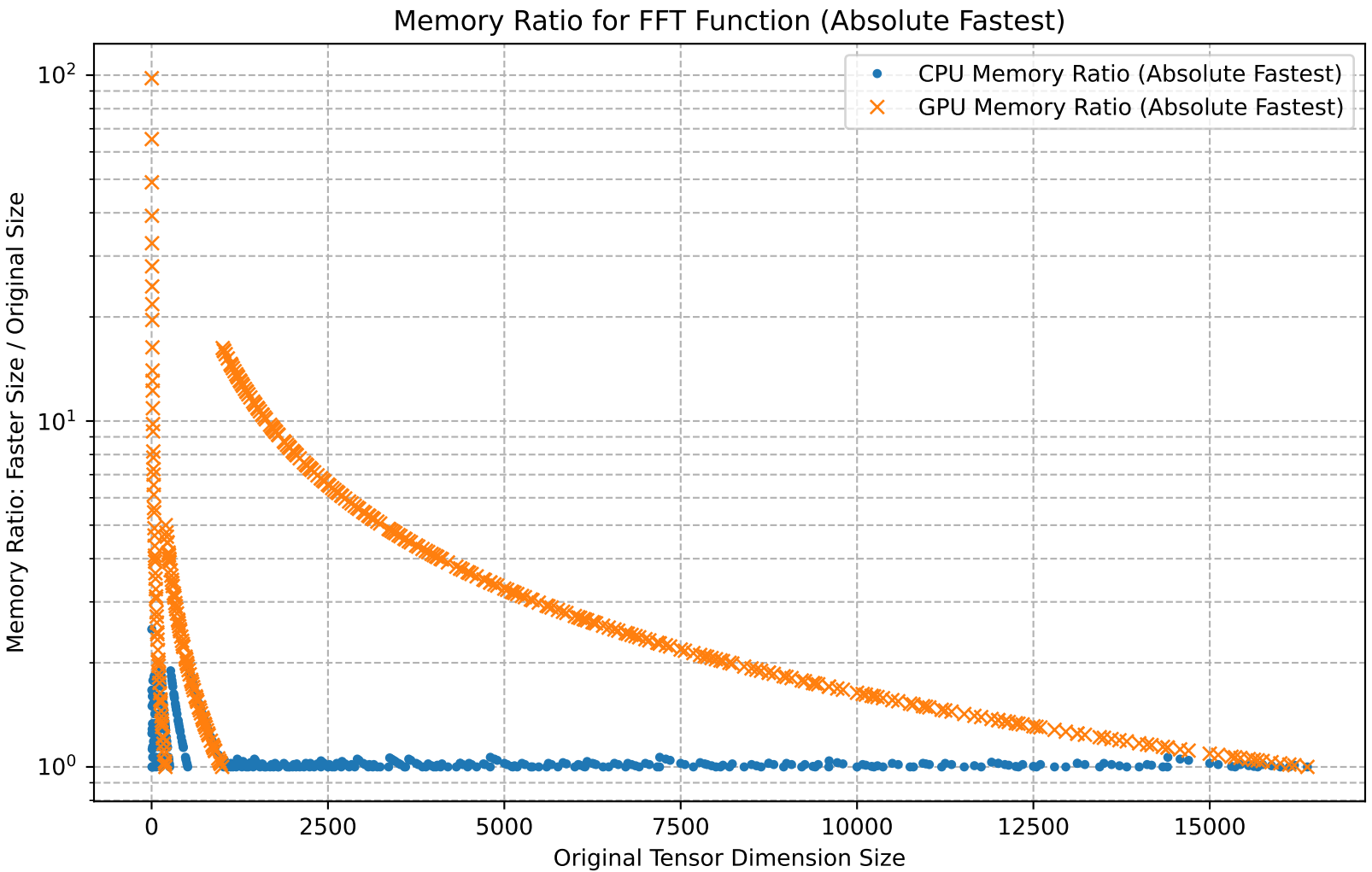
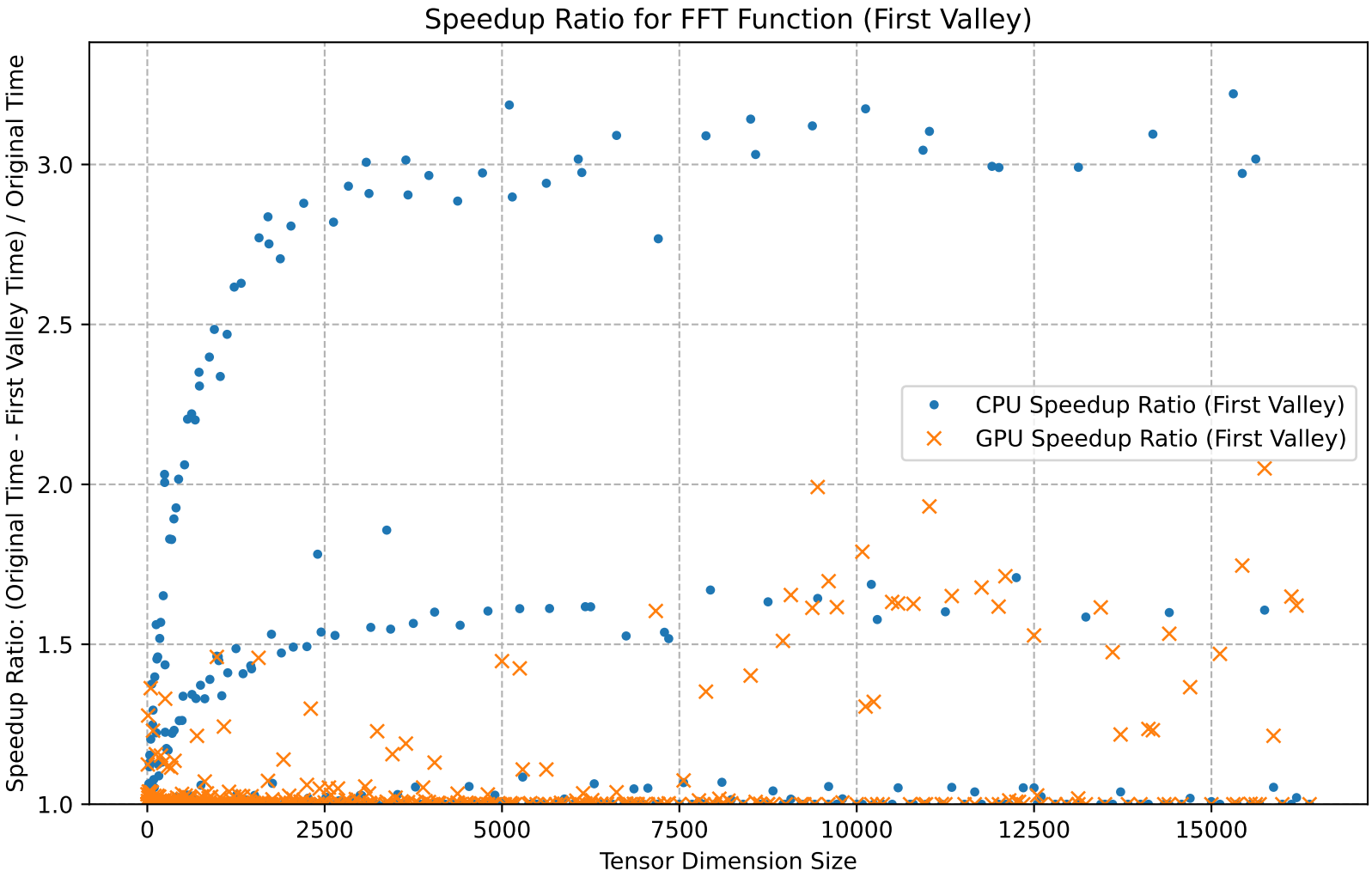
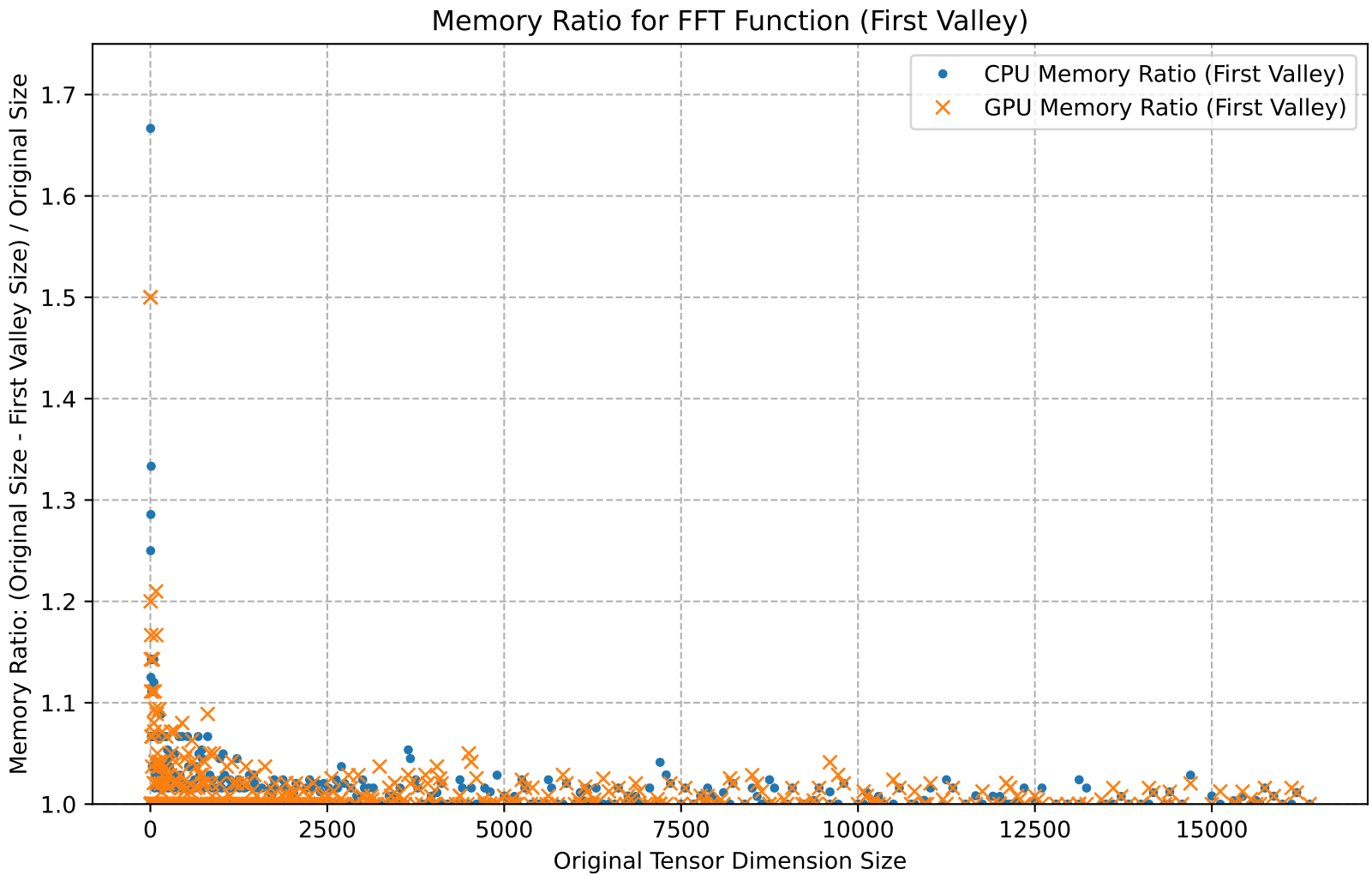

Raw Timing for FFT Function
GPU
CPU
2
3
5
7
10^{-1}
10^{-2}
Execution Time (ms)
0
2500
5000
7500
10000
12500
15000
Tensor Dimension Size


Speedup Ratio for FFT Function (Absolute Fastest)
CPU Speedup Ratio (Absolute Fastest)
GPU Speedup Ratio (Absolute Fastest)
Speedup Ratio: (Original Time - Faster Time) / Original Time
Tensor Dimension Size
1.0
1.5
2.0
2.5
3.0
3.5
0
2500
5000
7500
10000
12500
15000


Memory Ratio for FFT Function (Absolute Fastest)
CPU Memory Ratio (Absolute Fastest)
GPU Memory Ratio (Absolute Fastest)
Memory Ratio: Faster Size / Original Size
10^2
10^1
10^0
0
2500
5000
7500
10000
12500
15000
Original Tensor Dimension Size


Speedup Ratio for FFT Function (First Valley)
Speedup Ratio: (Original Time - First Valley Time) / Original Time
Tensor Dimension Size
CPU Speedup Ratio (First Valley)
GPU Speedup Ratio (First Valley)
1.0
1.5
2.0
2.5
3.0
0
2500
5000
7500
10000
12500
15000


Memory Ratio for FFT Function (First Valley)
CPU Memory Ratio (First Valley)
GPU Memory Ratio (First Valley)
Memory Ratio: (Original Size - First Valley Size) / Original Size
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
0
2500
5000
7500
10000
12500
15000
Original Tensor Dimension Size