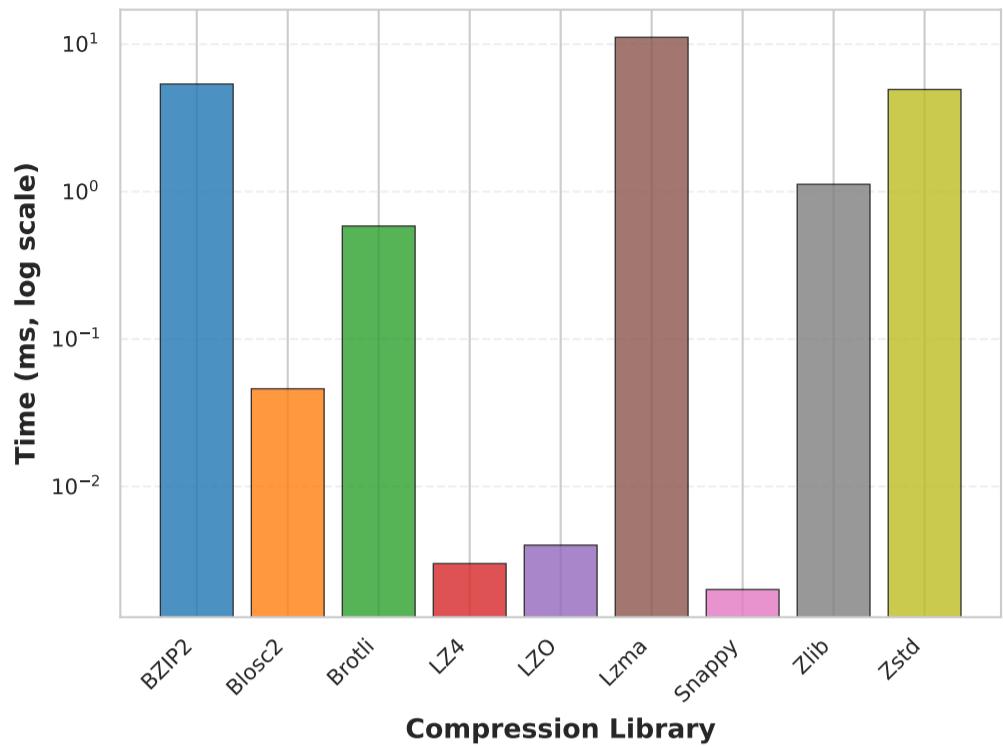
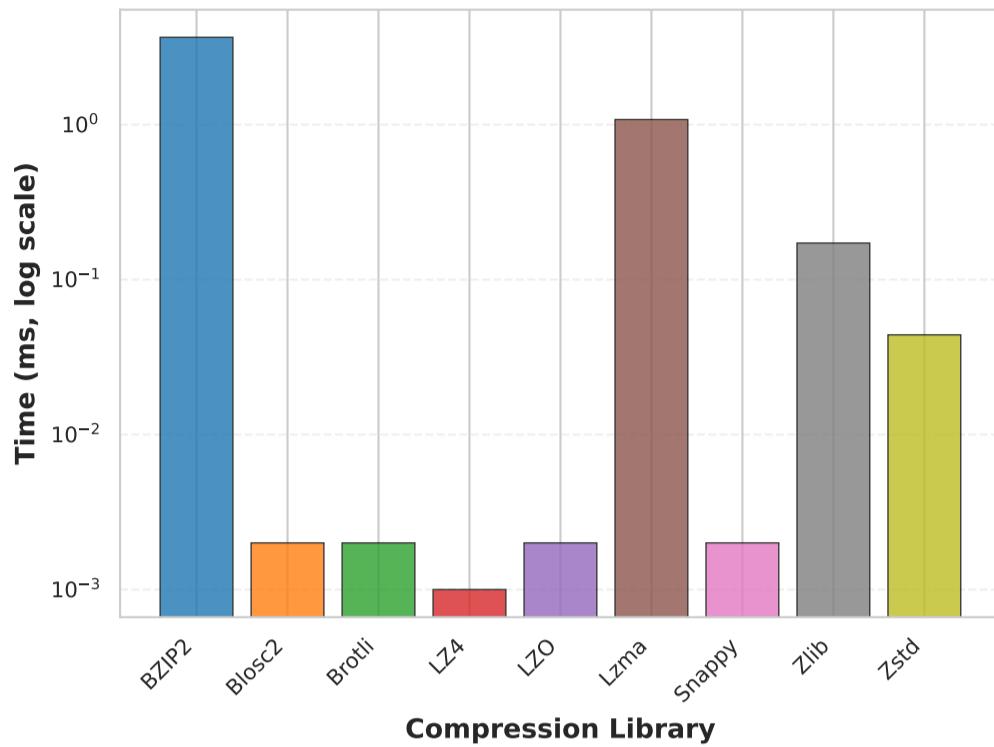


Parameter Study: exponential_high
Exponential($\lambda=0.05$) $\times 2.0$: Fast decay, clustering near zero
Char Data Type, 64KB Chunk Size

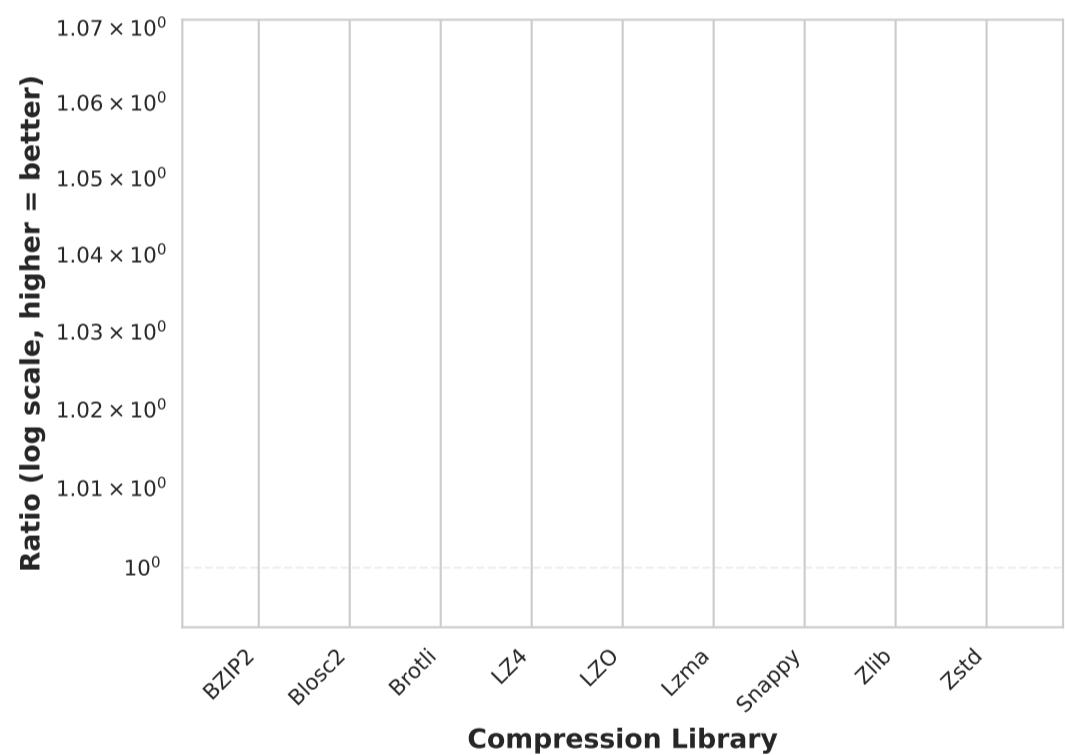
Compression Time



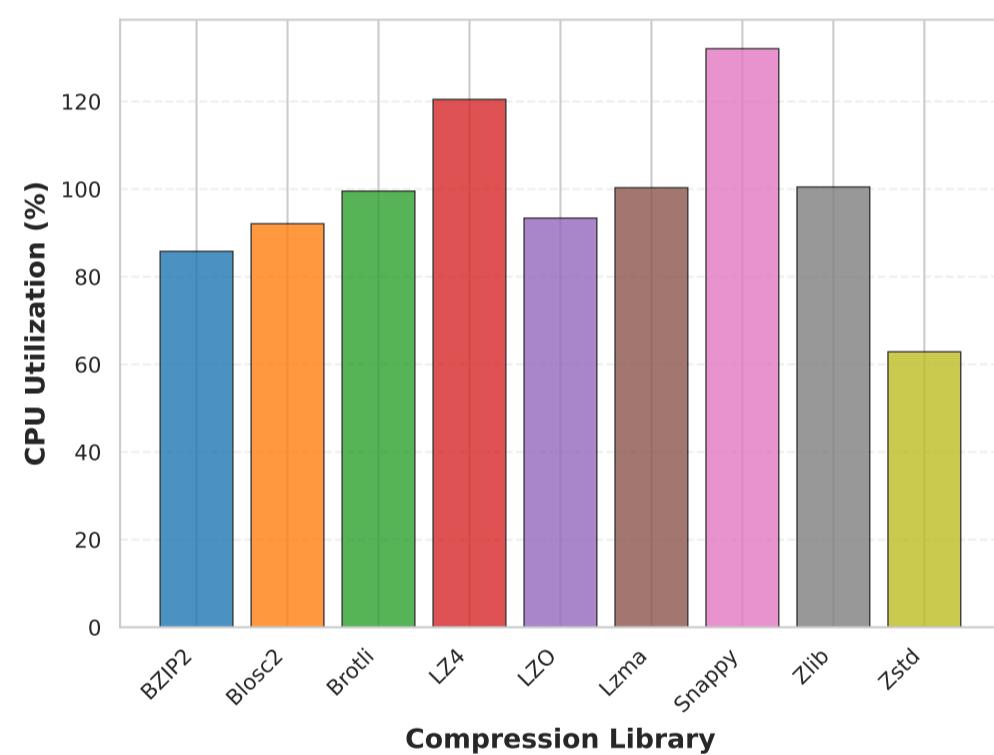
Decompression Time



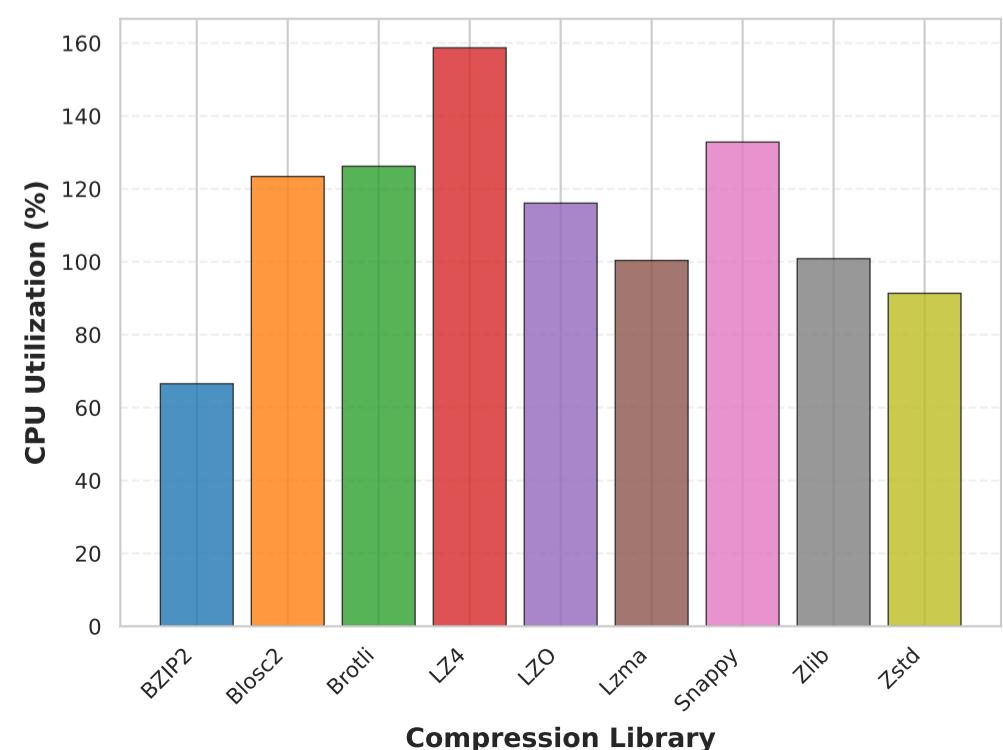
Compression Ratio



Compression CPU Usage



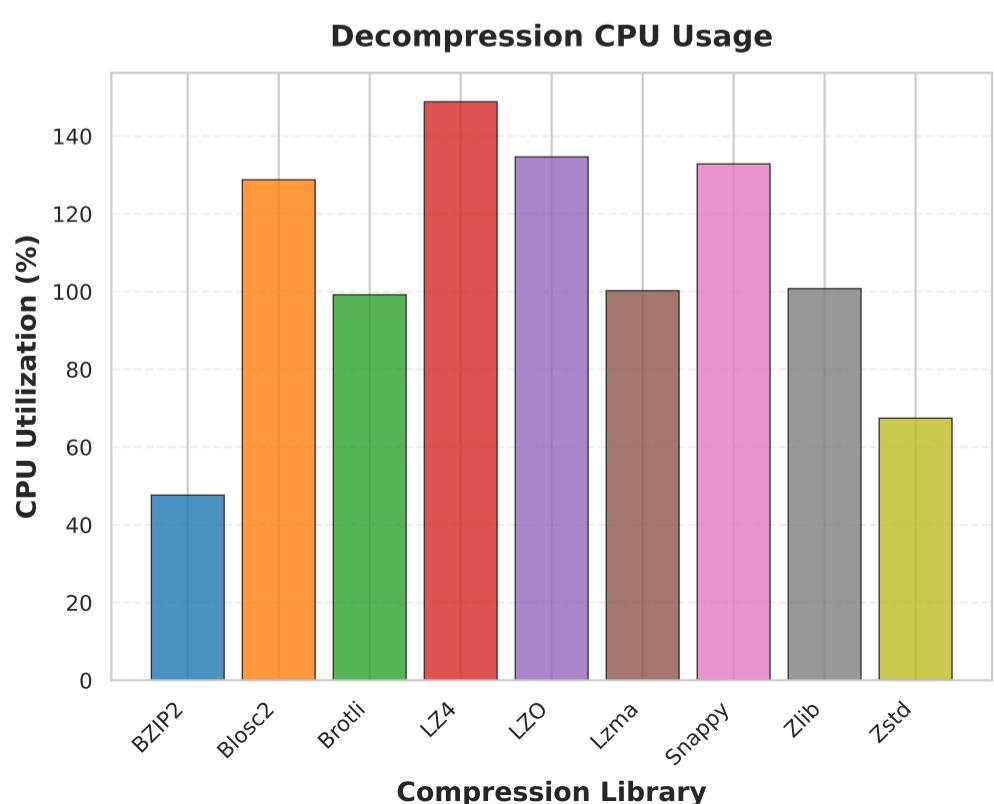
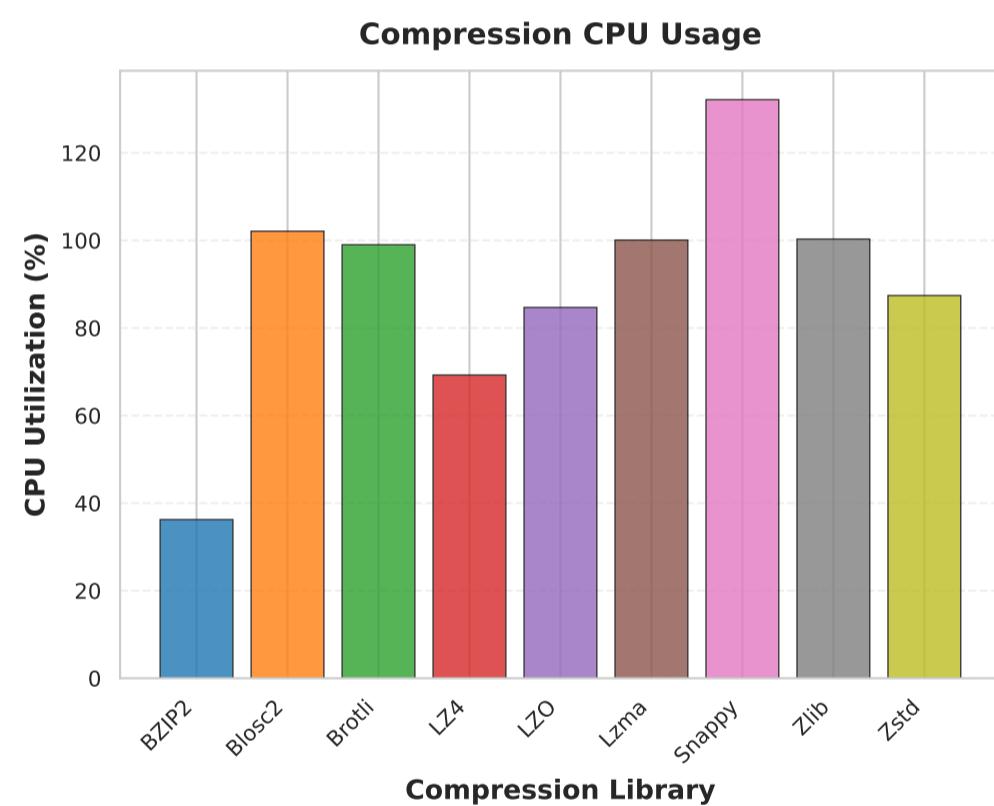
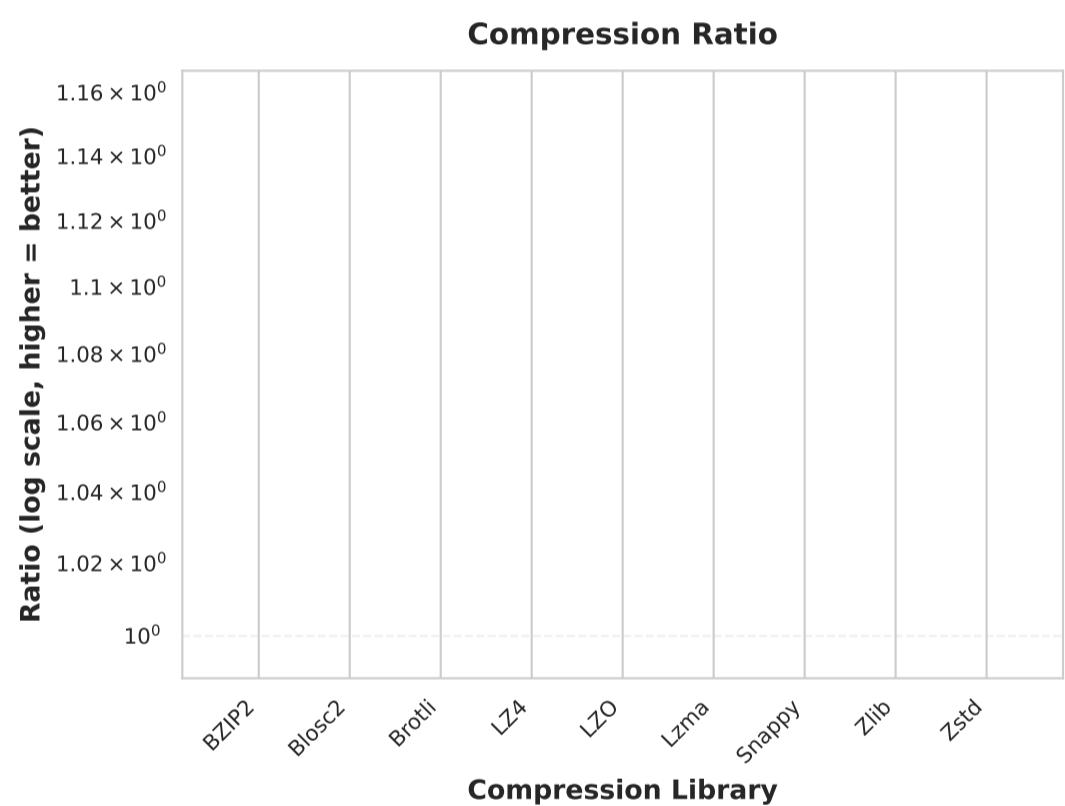
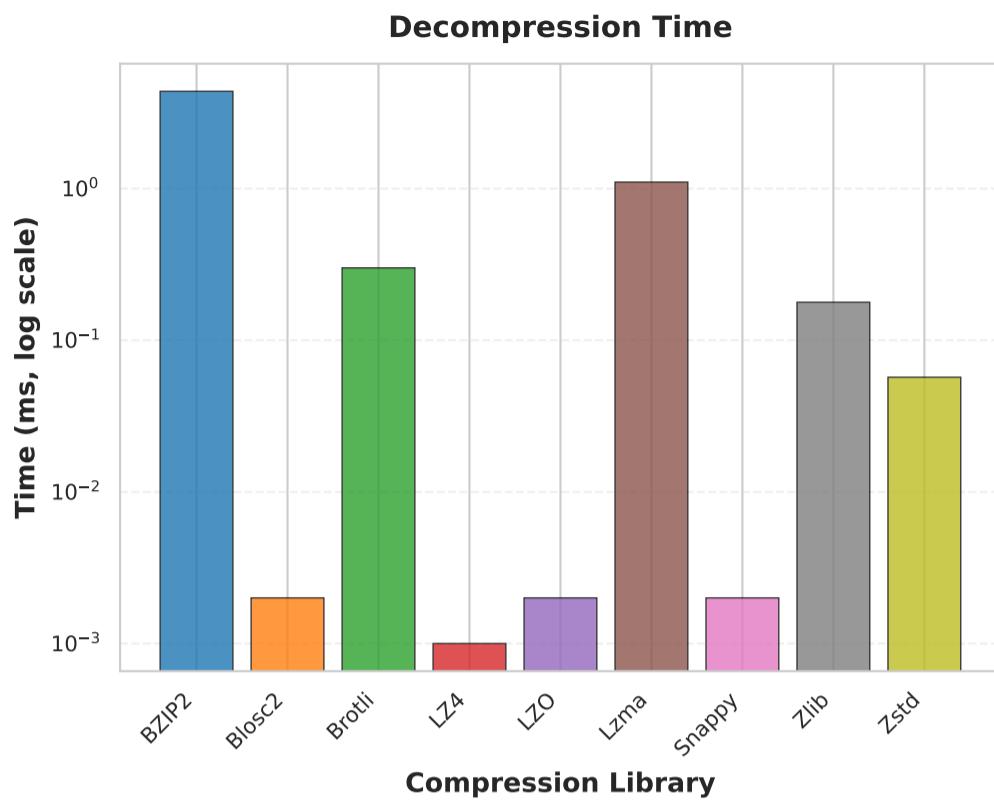
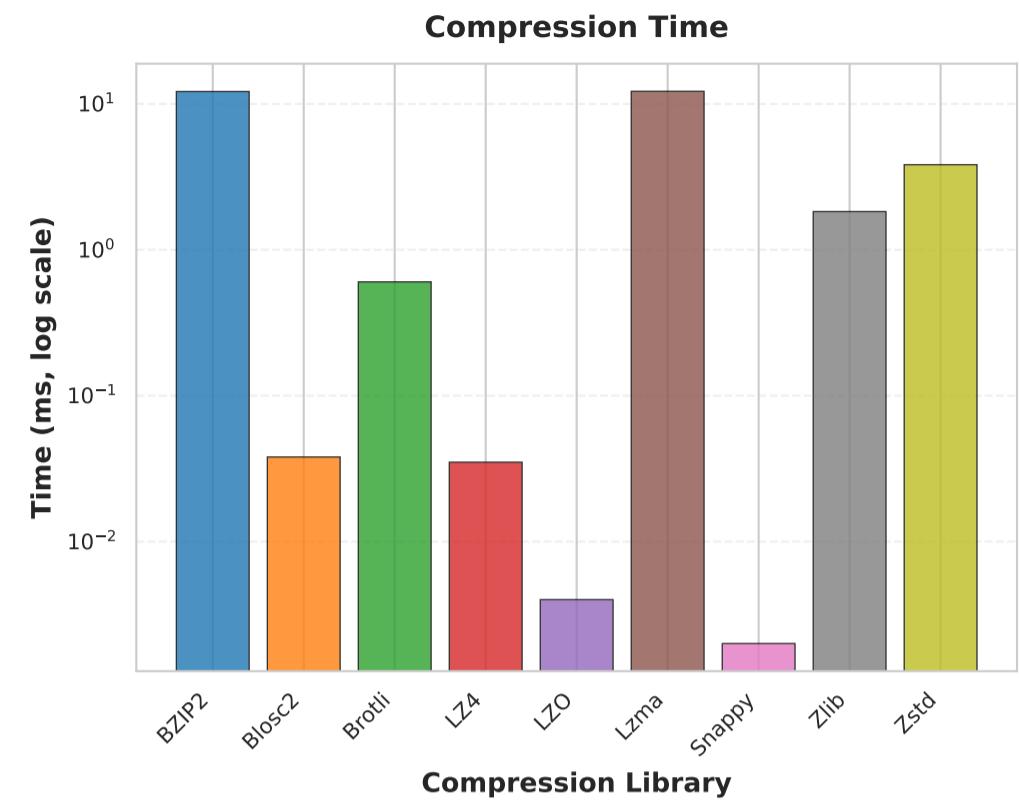
Decompression CPU Usage



**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.07x | 4.9 | 63% |
| Zlib | 1.06x | 1.1 | 100% |
| Lzma | 1.05x | 11.1 | 100% |
| BZIP2 | 1.01x | 5.4 | 86% |
| Brotli | 1.00x | 0.6 | 100% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 92% |
| LZ4 | 1.00x | 0.0 | 120% |
| LZO | 1.00x | 0.0 | 93% |

Parameter Study: exponential_incomp
Exponential($\lambda=0.01$) $\times 1.5 + \text{noise}$: Slow decay, high entropy
Char Data Type, 64KB Chunk Size

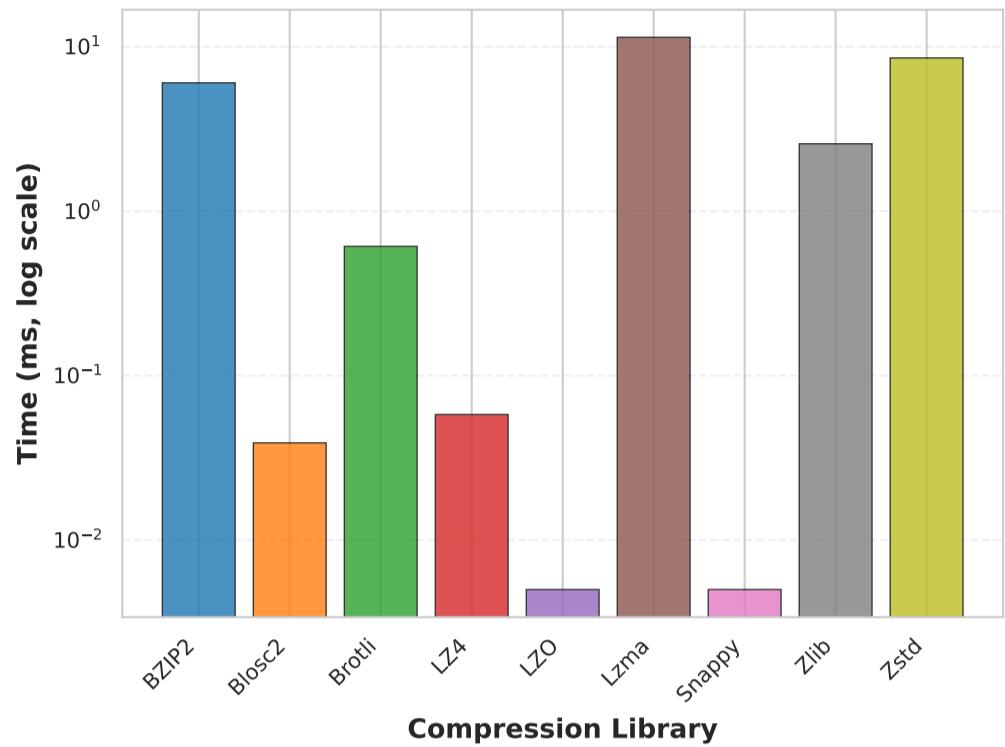


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

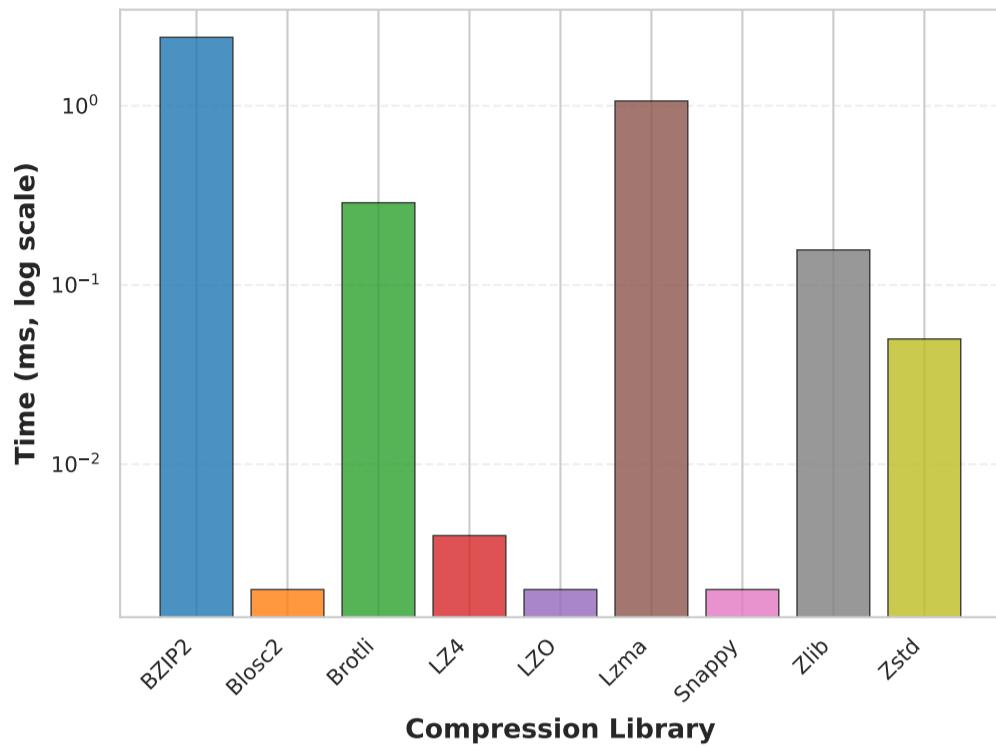
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.16x | 3.8 | 87% |
| Lzma | 1.14x | 12.2 | 100% |
| Zlib | 1.12x | 1.8 | 100% |
| BZIP2 | 1.05x | 12.2 | 36% |
| Brotli | 1.03x | 0.6 | 99% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 69% |
| LZO | 1.00x | 0.0 | 85% |

Parameter Study: exponential_light
Exponential($\lambda=0.012$) $\times 2.5 + 10$: Slow decay, wide spread
Char Data Type, 64KB Chunk Size

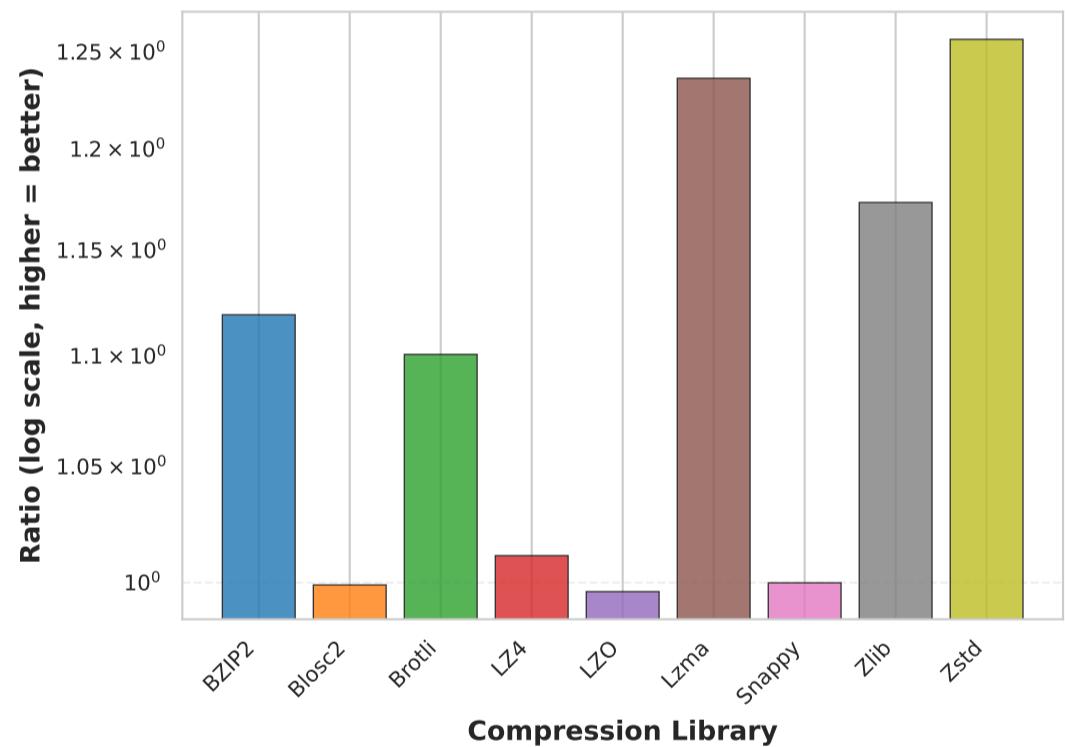
Compression Time



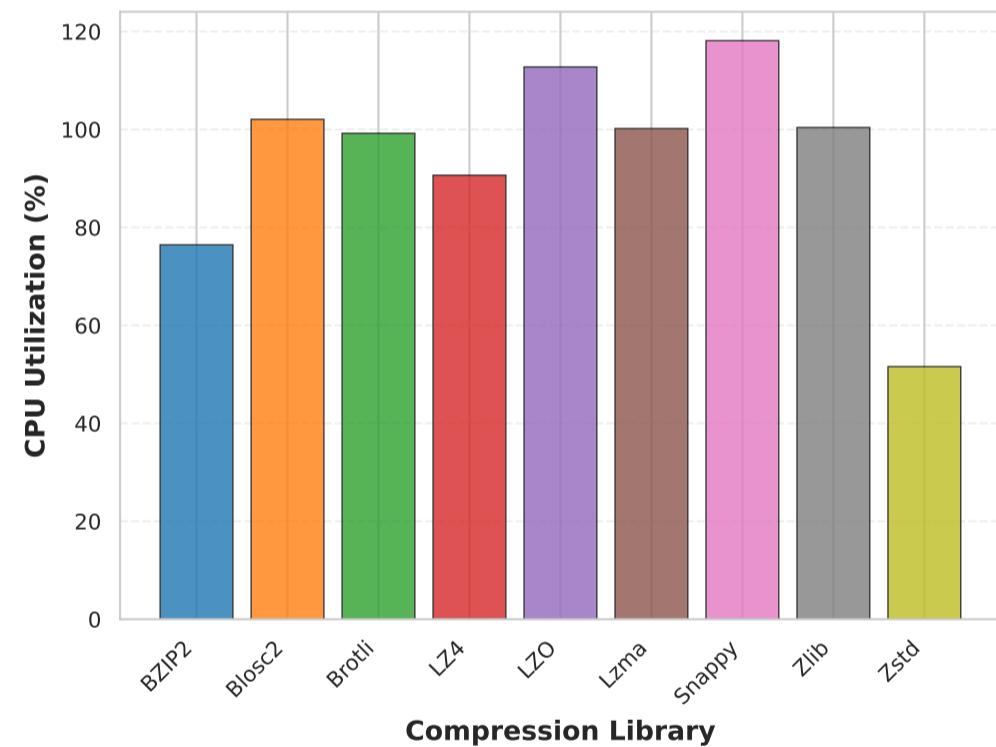
Decompression Time



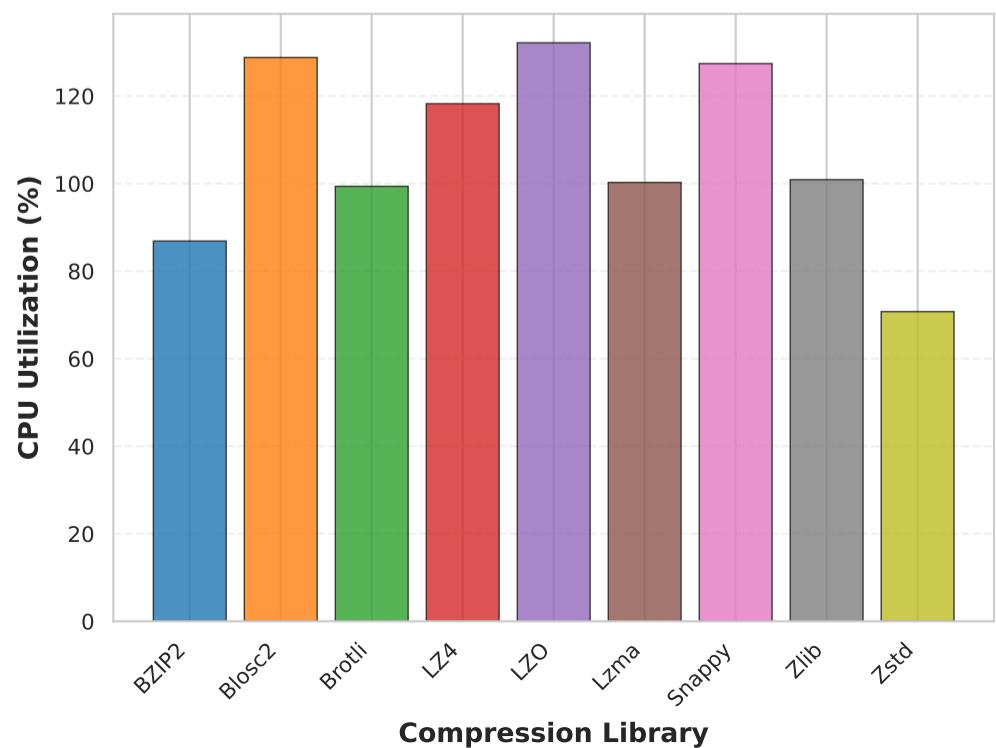
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

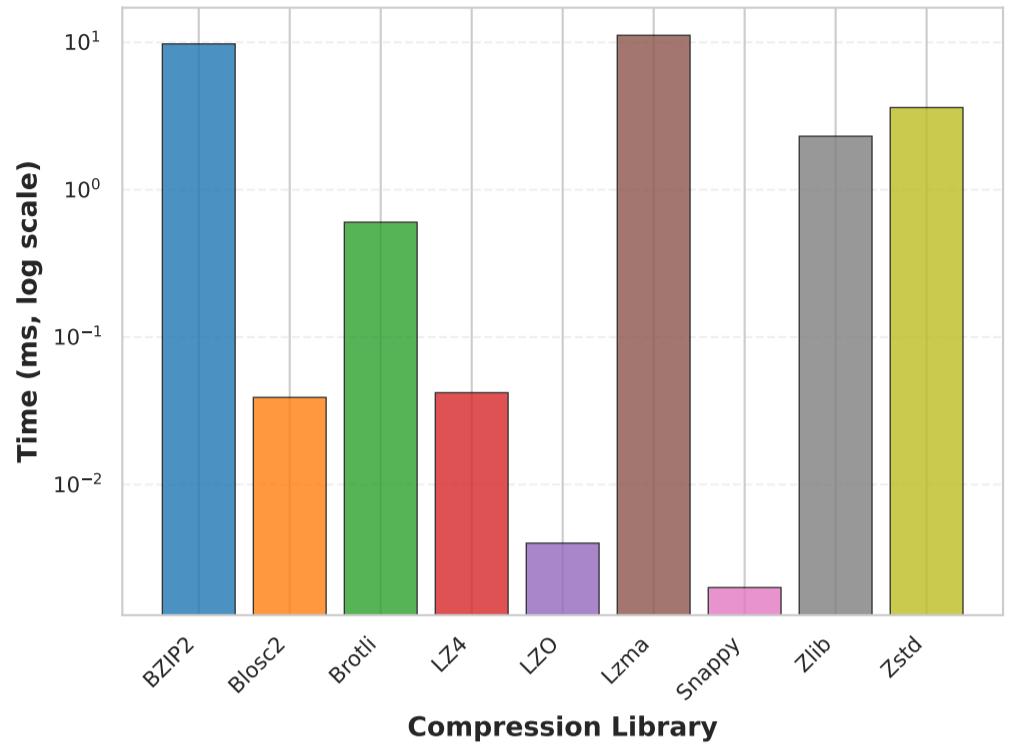


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

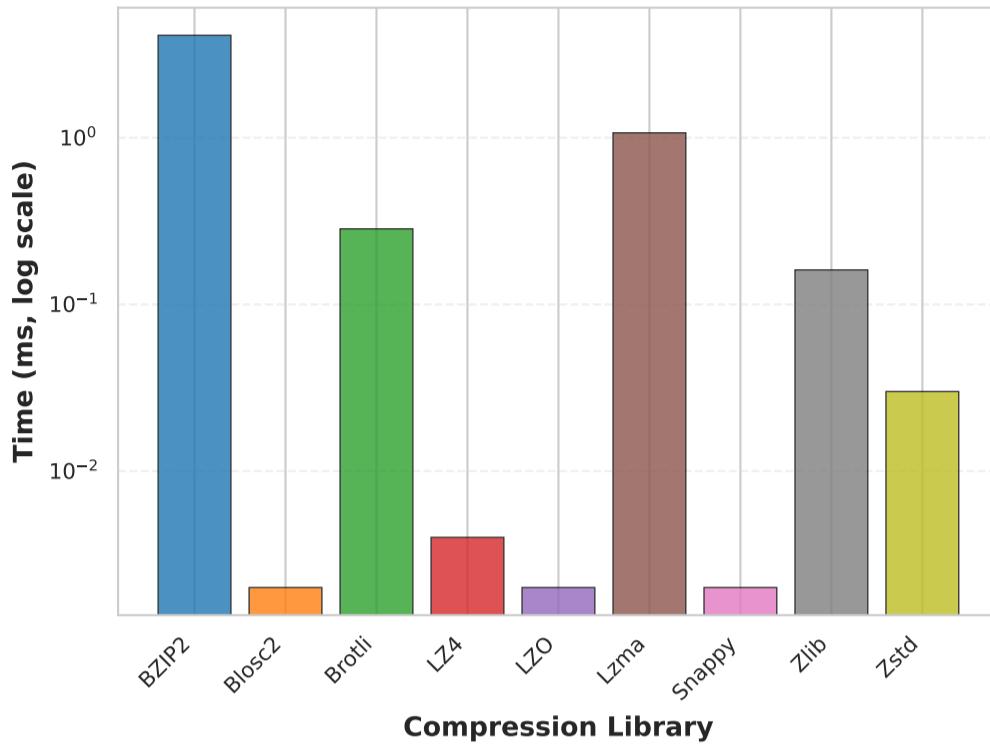
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.26x | 8.6 | 52% |
| Lzma | 1.24x | 11.4 | 100% |
| Zlib | 1.17x | 2.6 | 100% |
| BZIP2 | 1.12x | 6.0 | 76% |
| Brotli | 1.10x | 0.6 | 99% |
| LZ4 | 1.01x | 0.1 | 91% |
| Snappy | 1.00x | 0.0 | 118% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZO | 1.00x | 0.0 | 113% |

Parameter Study: exponential_medium
Exponential($\lambda=0.02$) \times 3.0 + 5: Moderate decay
Char Data Type, 64KB Chunk Size

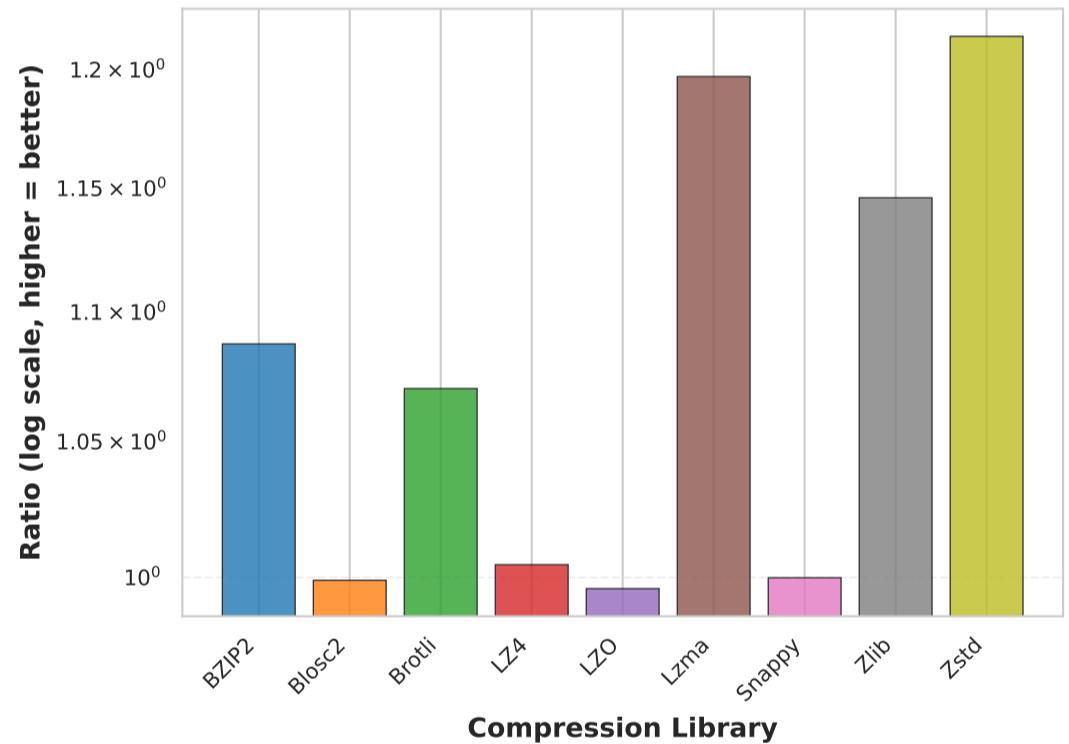
Compression Time



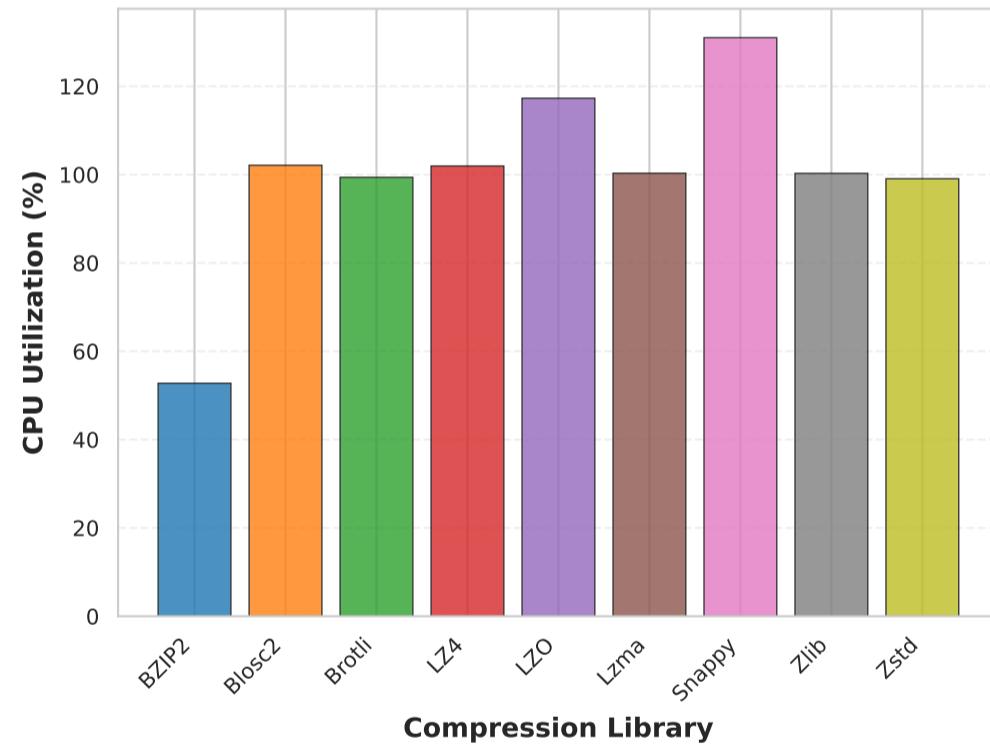
Decompression Time



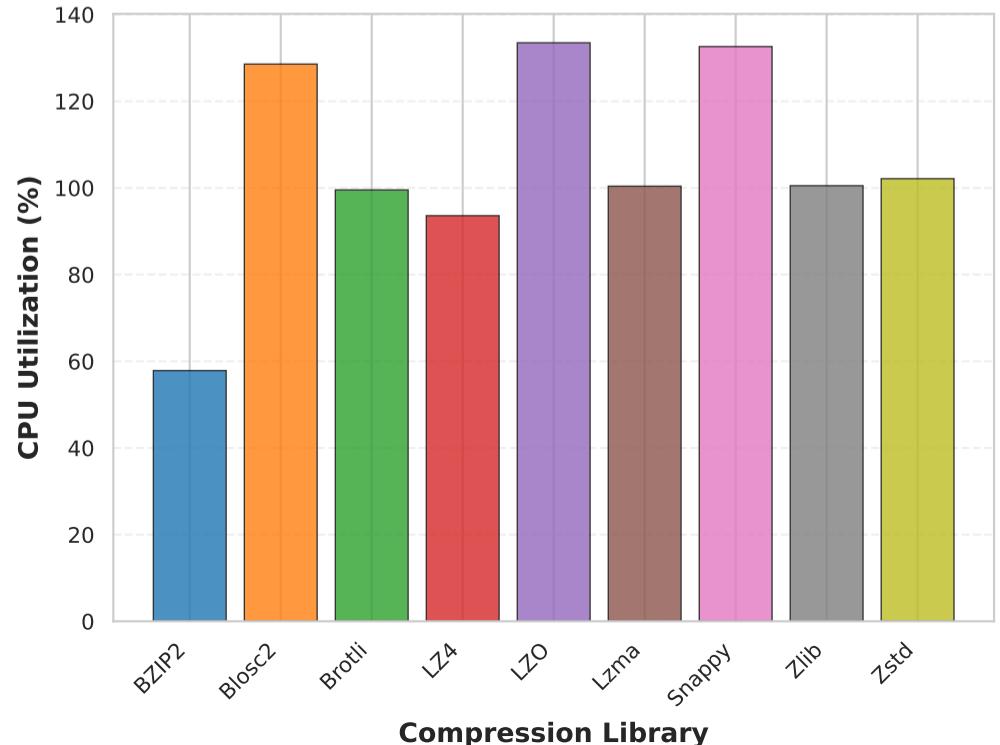
Compression Ratio



Compression CPU Usage



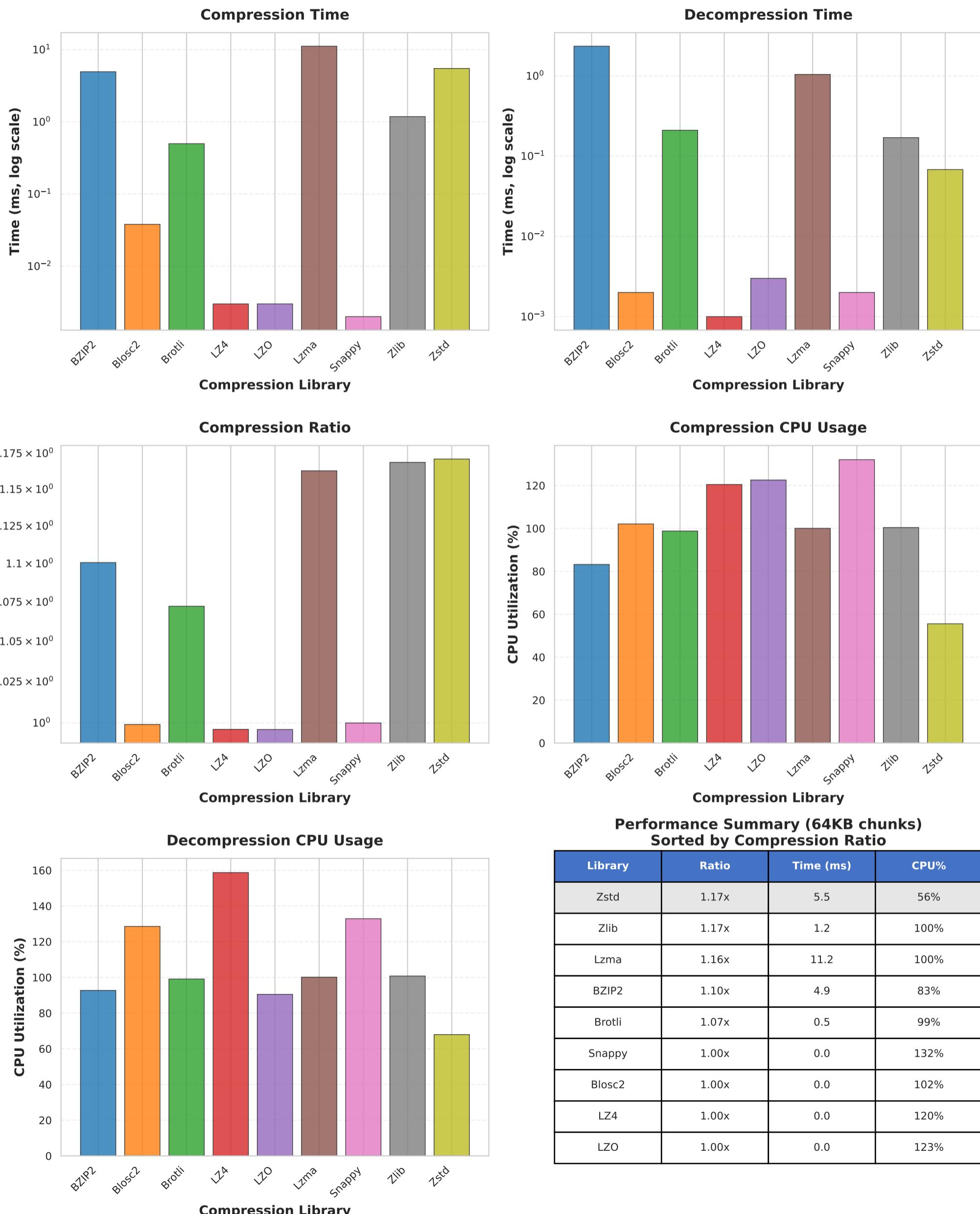
Decompression CPU Usage



**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

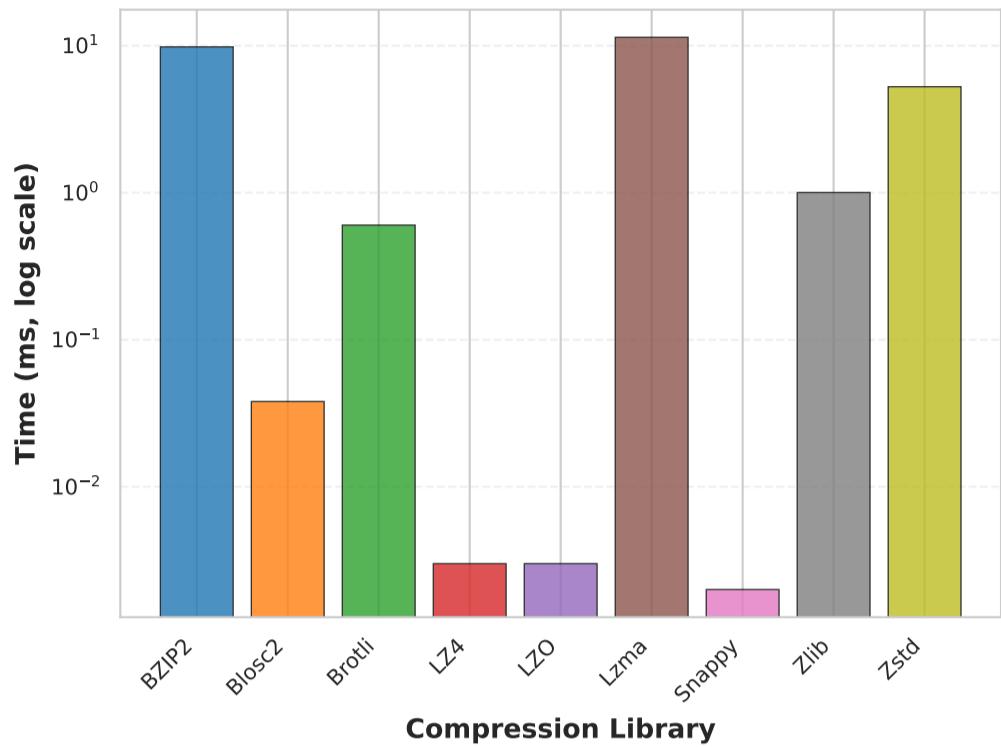
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.21x | 3.6 | 99% |
| Lzma | 1.20x | 11.2 | 100% |
| Zlib | 1.15x | 2.3 | 100% |
| BZIP2 | 1.09x | 9.8 | 53% |
| Brotli | 1.07x | 0.6 | 99% |
| LZ4 | 1.00x | 0.0 | 102% |
| Snappy | 1.00x | 0.0 | 131% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZO | 1.00x | 0.0 | 117% |

Parameter Study: gamma_high
Gamma($\alpha=1, \beta=2$) $\times 20$: Tight clustering at low values
Char Data Type, 64KB Chunk Size

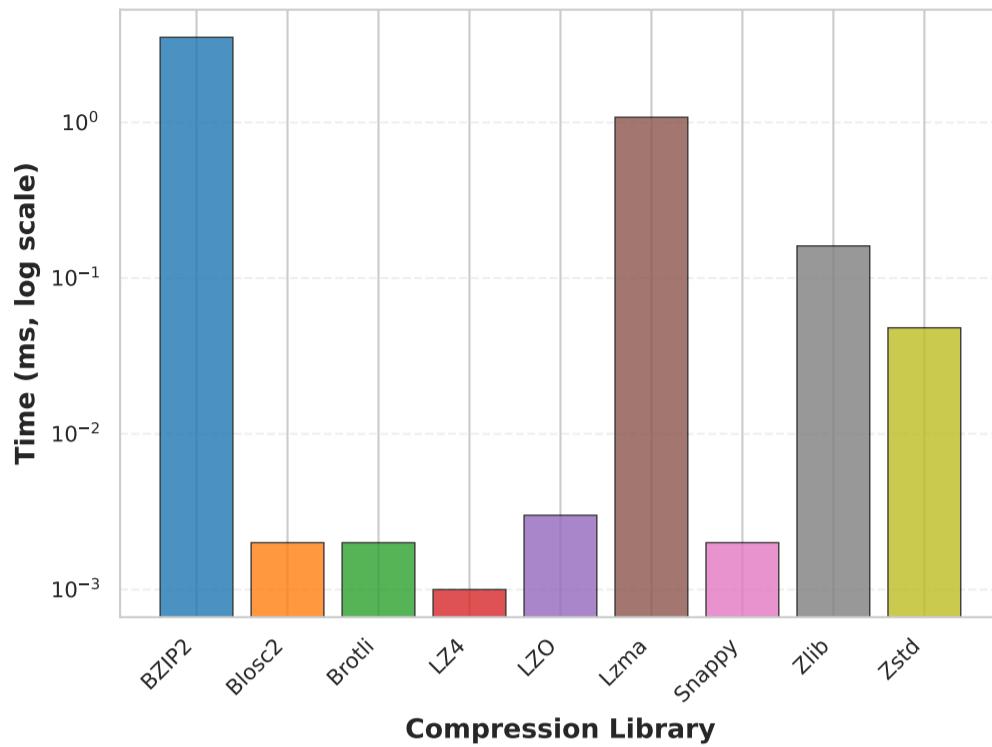


Parameter Study: gamma_incomp
Gamma($\alpha=5, \beta=5$) \times 5 + noise: Wide spread, high entropy
Char Data Type, 64KB Chunk Size

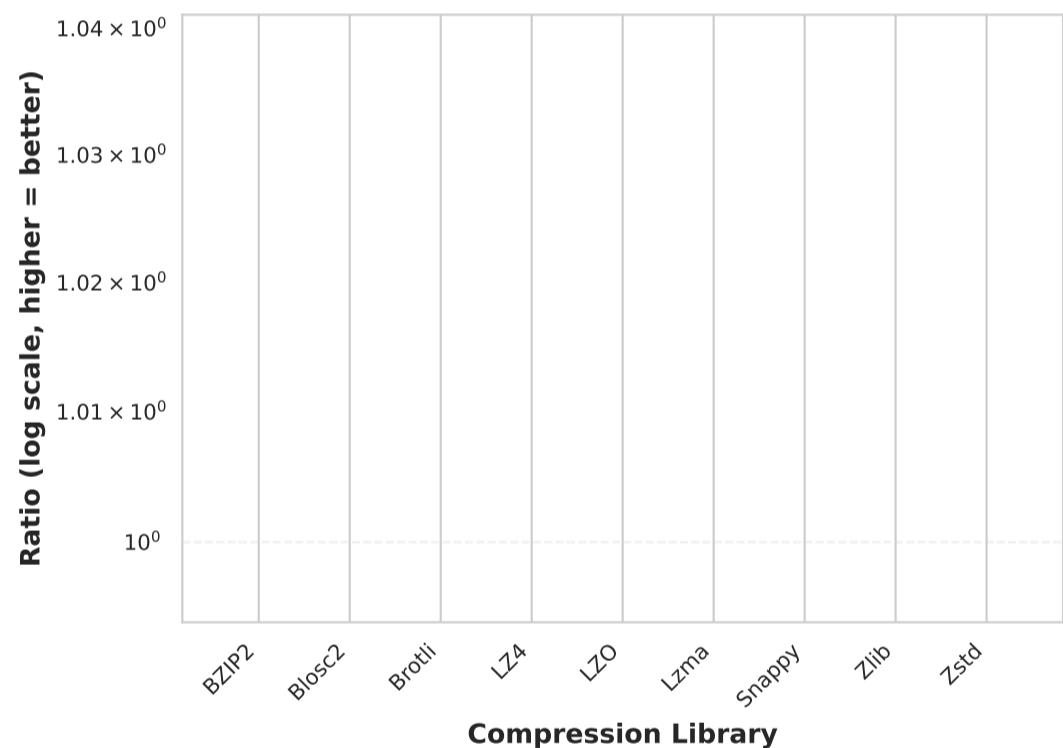
Compression Time



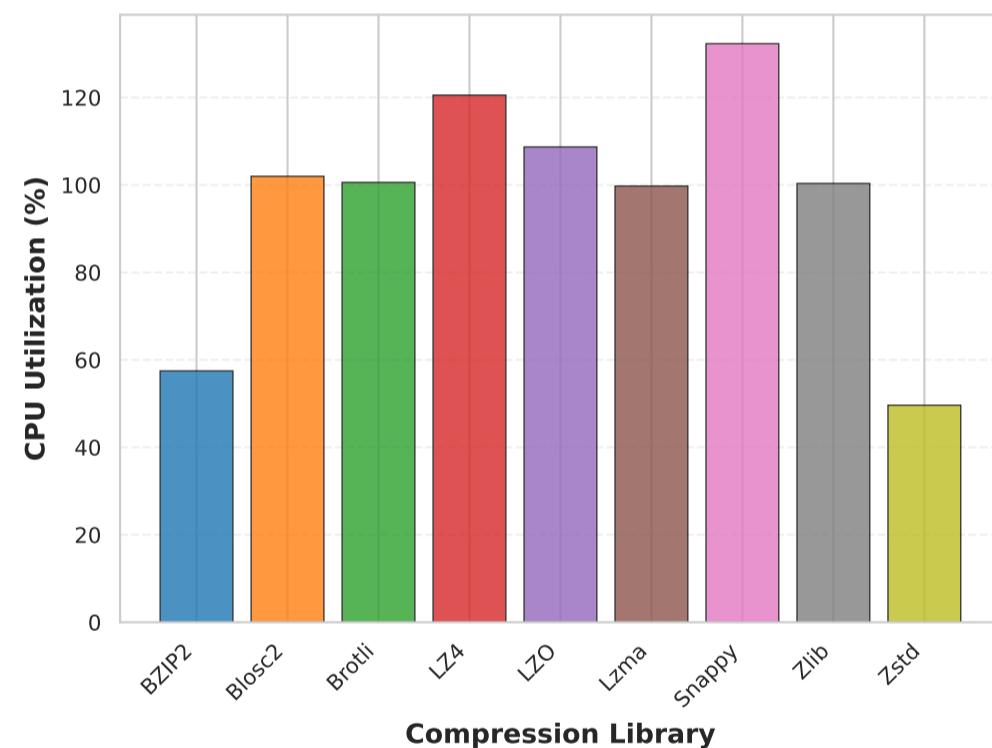
Decompression Time



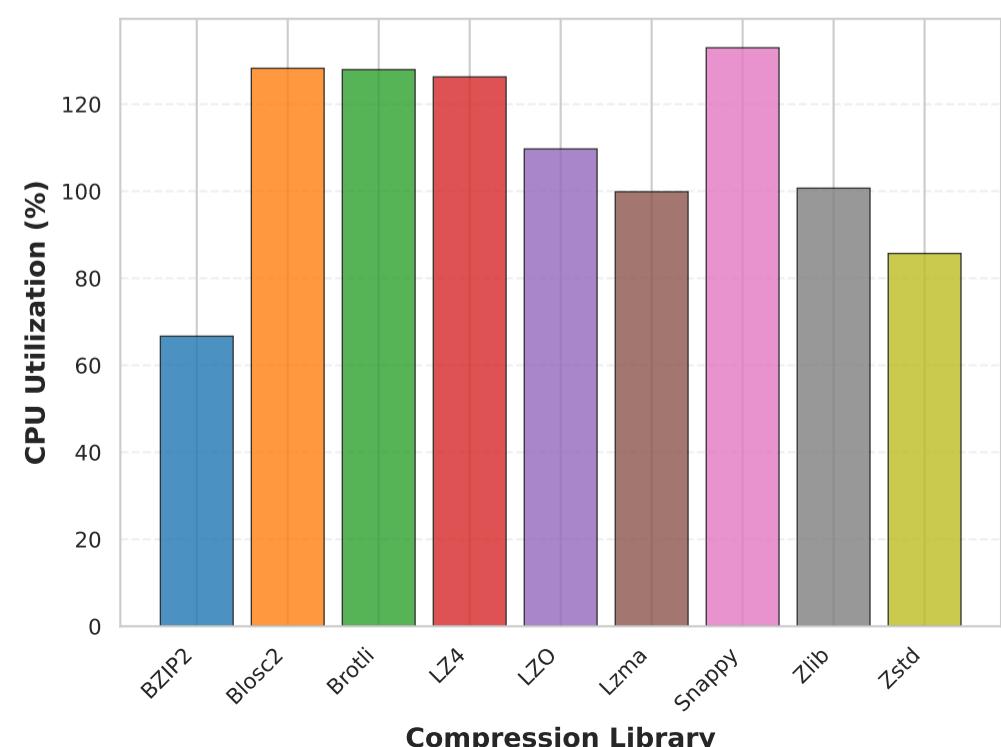
Compression Ratio



Compression CPU Usage



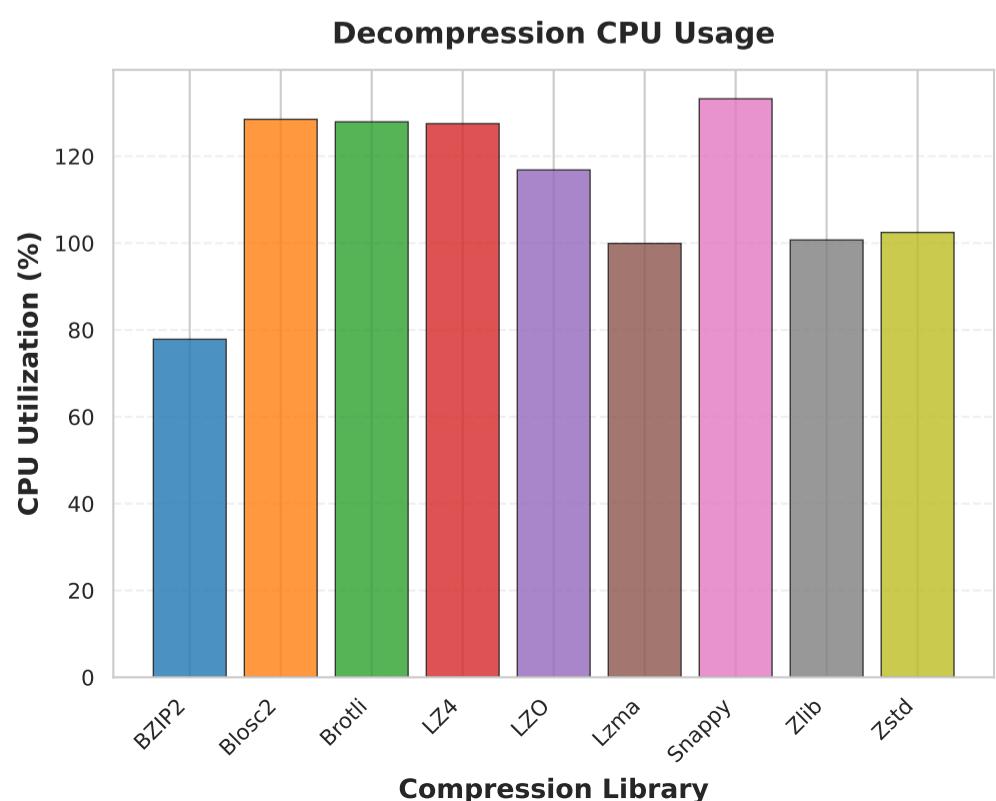
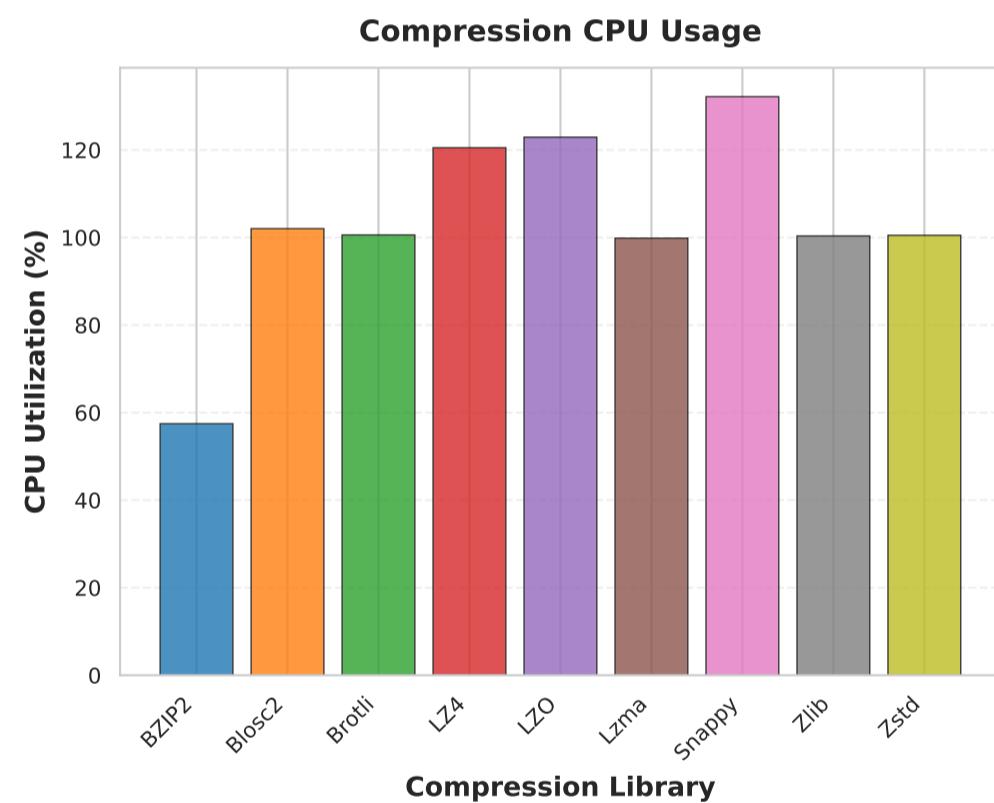
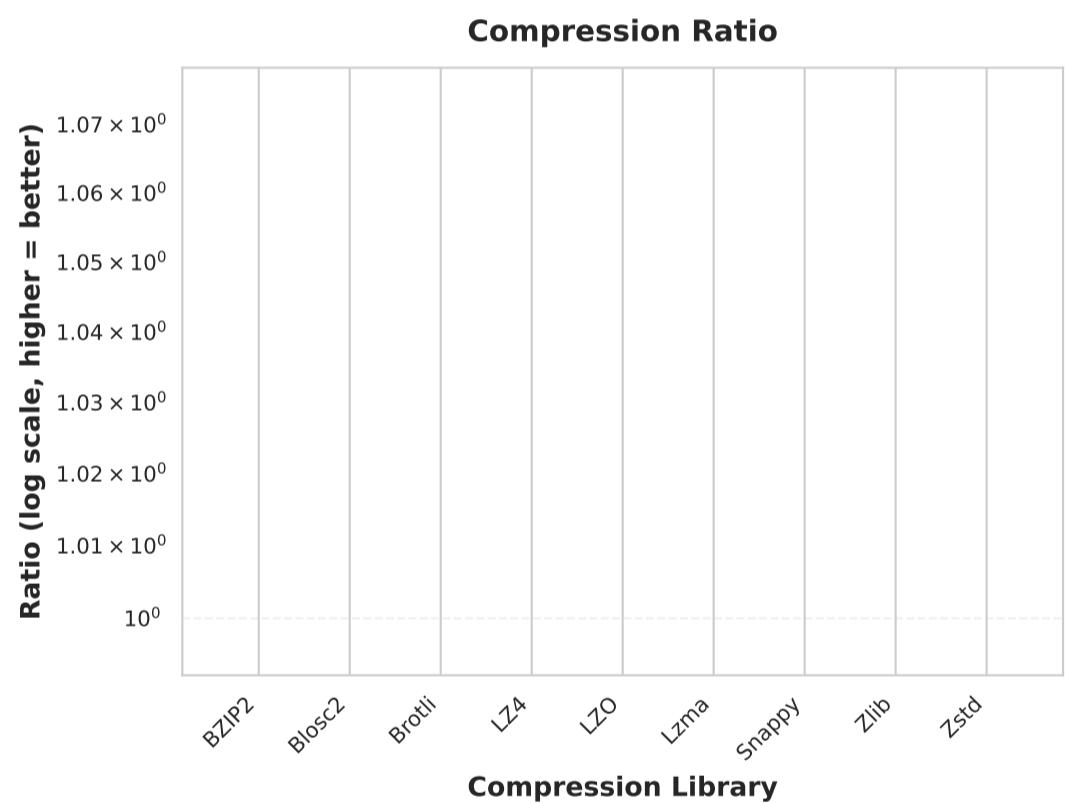
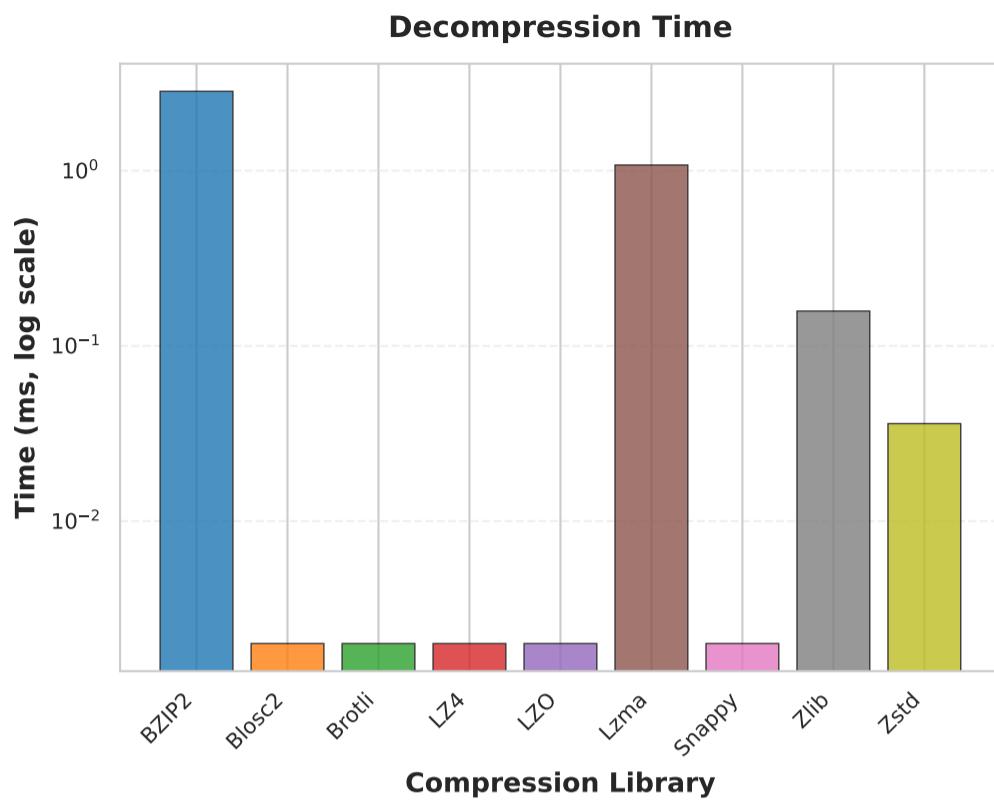
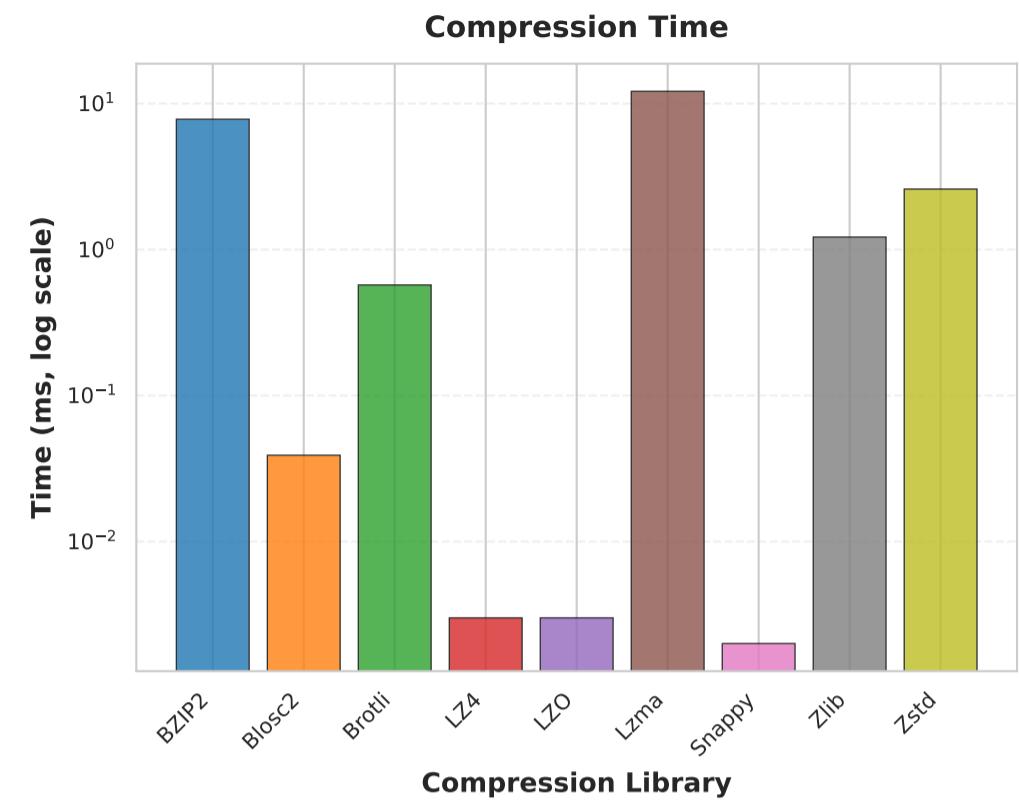
Decompression CPU Usage



**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.04x | 5.3 | 50% |
| Zlib | 1.04x | 1.0 | 100% |
| Lzma | 1.03x | 11.4 | 100% |
| BZIP2 | 1.01x | 9.8 | 57% |
| Brotli | 1.00x | 0.6 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 121% |
| LZO | 1.00x | 0.0 | 109% |

Parameter Study: gamma_light
Gamma($\alpha=5, \beta=8$) $\times 4$: Moderate spread, some clustering
Char Data Type, 64KB Chunk Size

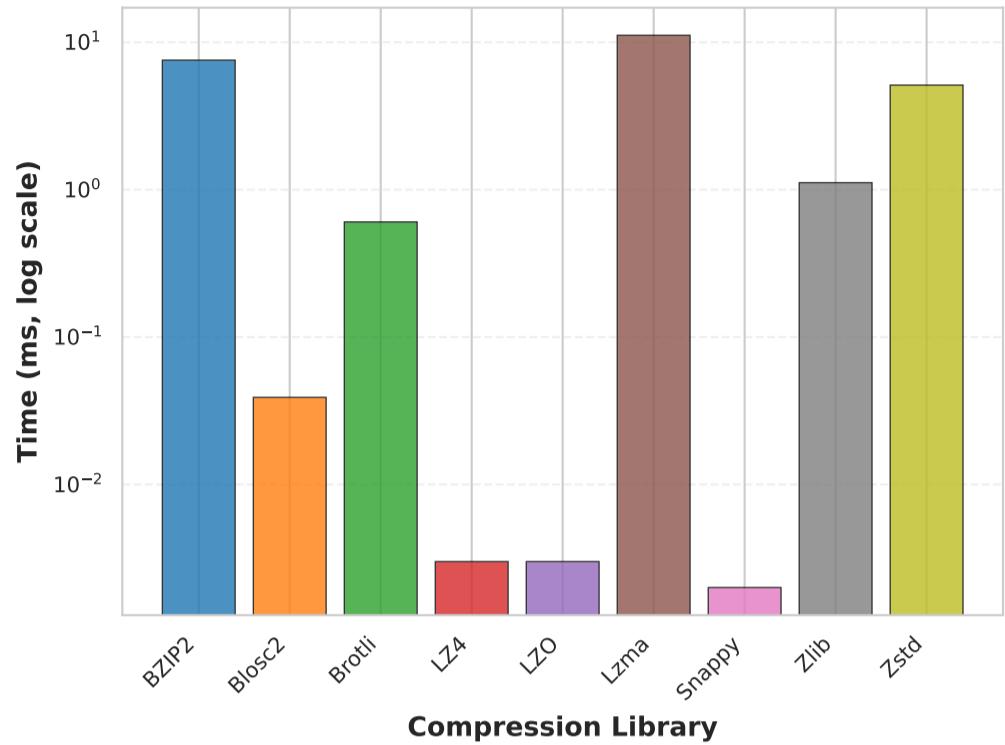


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

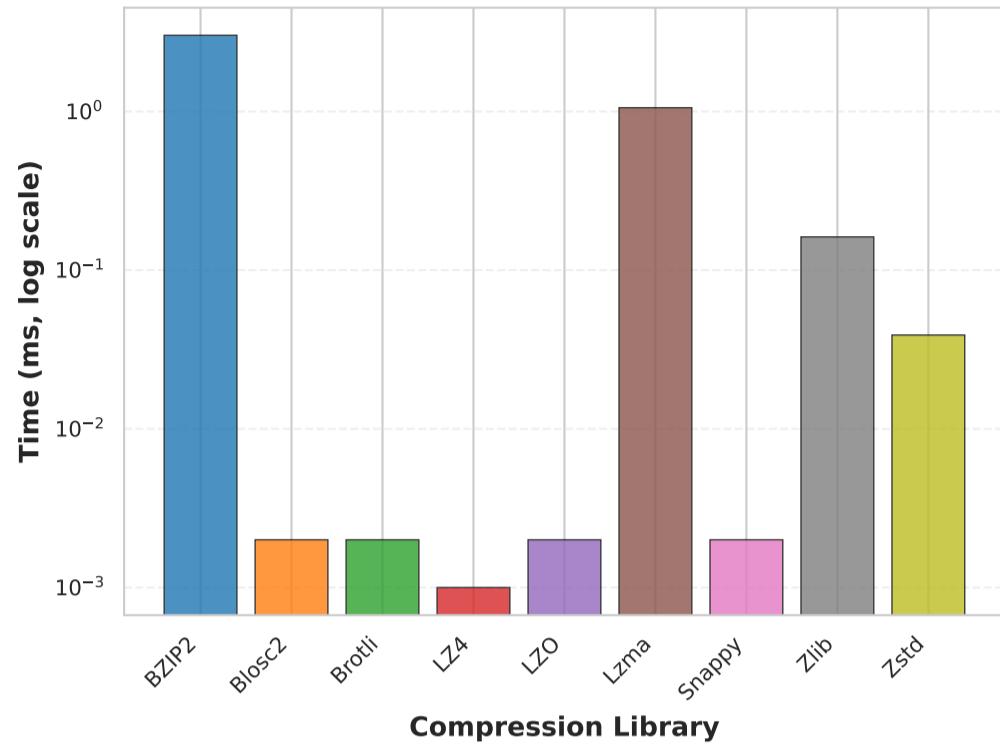
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.07x | 2.6 | 100% |
| Zlib | 1.07x | 1.2 | 100% |
| Lzma | 1.06x | 12.1 | 100% |
| BZIP2 | 1.02x | 7.8 | 57% |
| Brotli | 1.00x | 0.6 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 121% |
| LZO | 1.00x | 0.0 | 123% |

Parameter Study: gamma_medium
Gamma($\alpha=2, \beta=4$) $\times 15$: Medium clustering
Char Data Type, 64KB Chunk Size

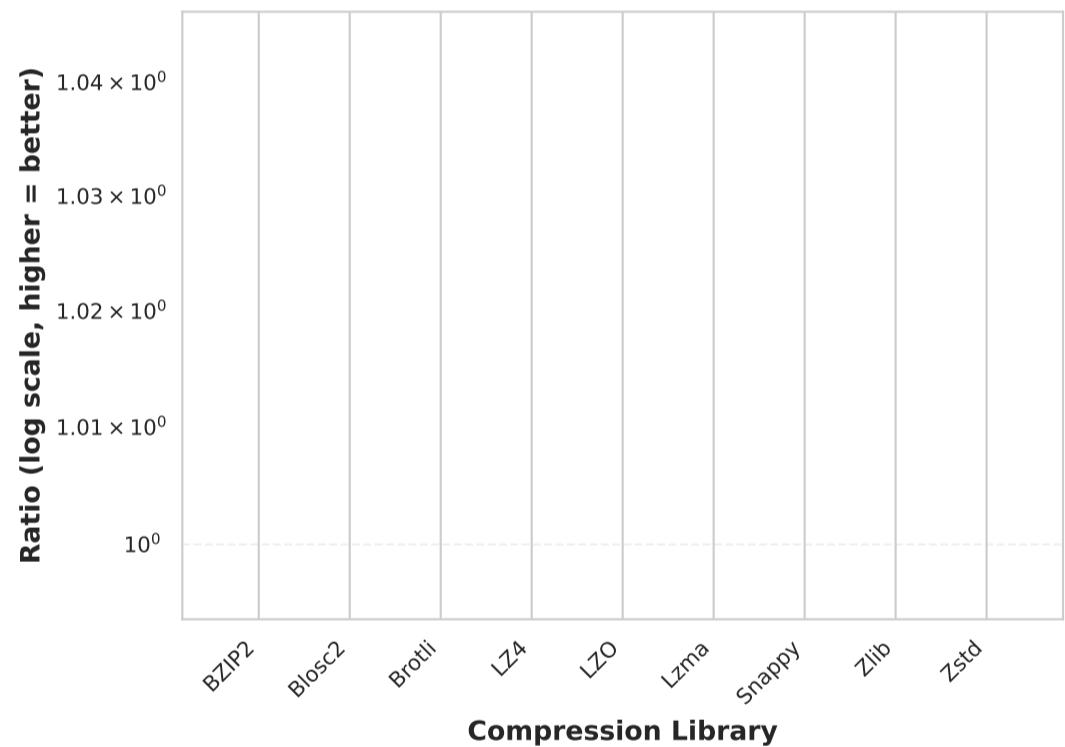
Compression Time



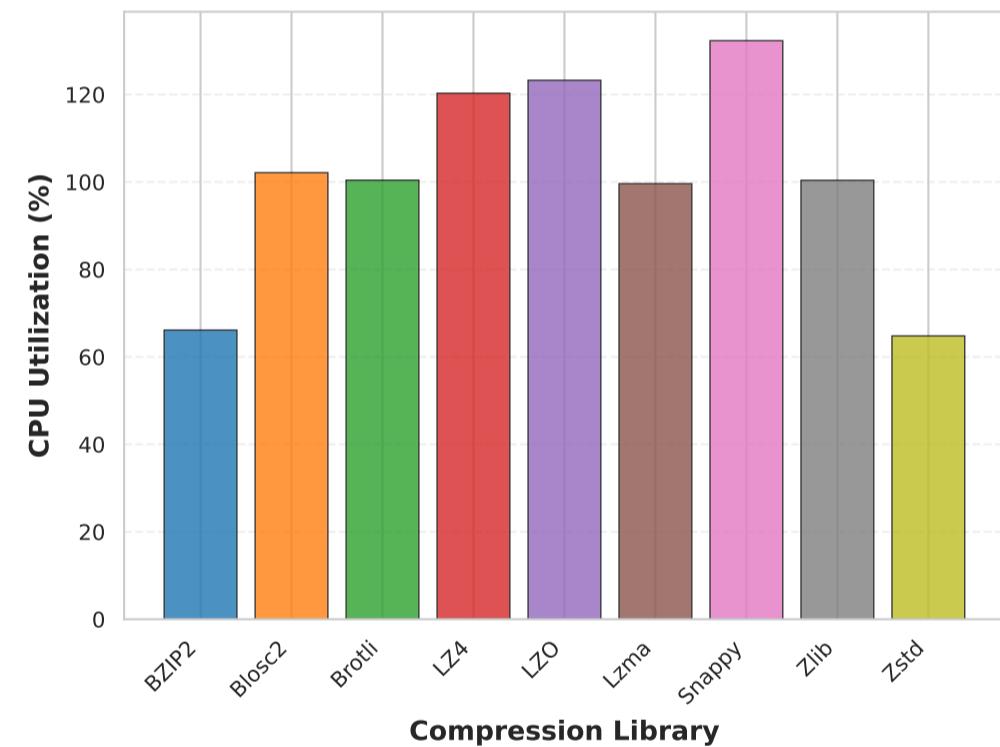
Decompression Time



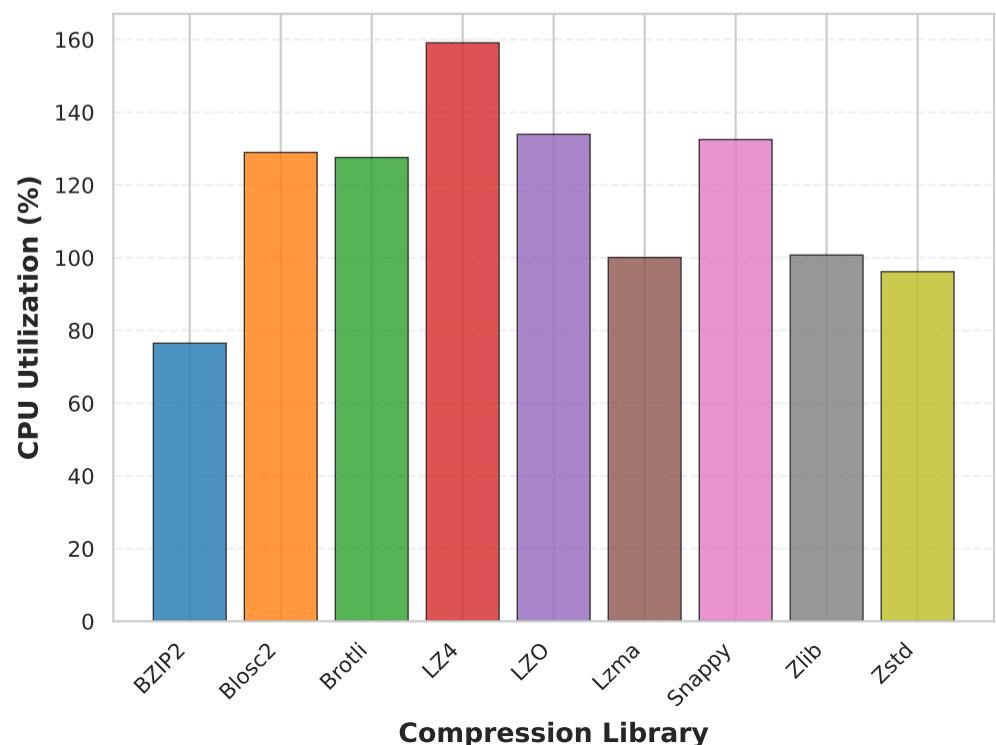
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

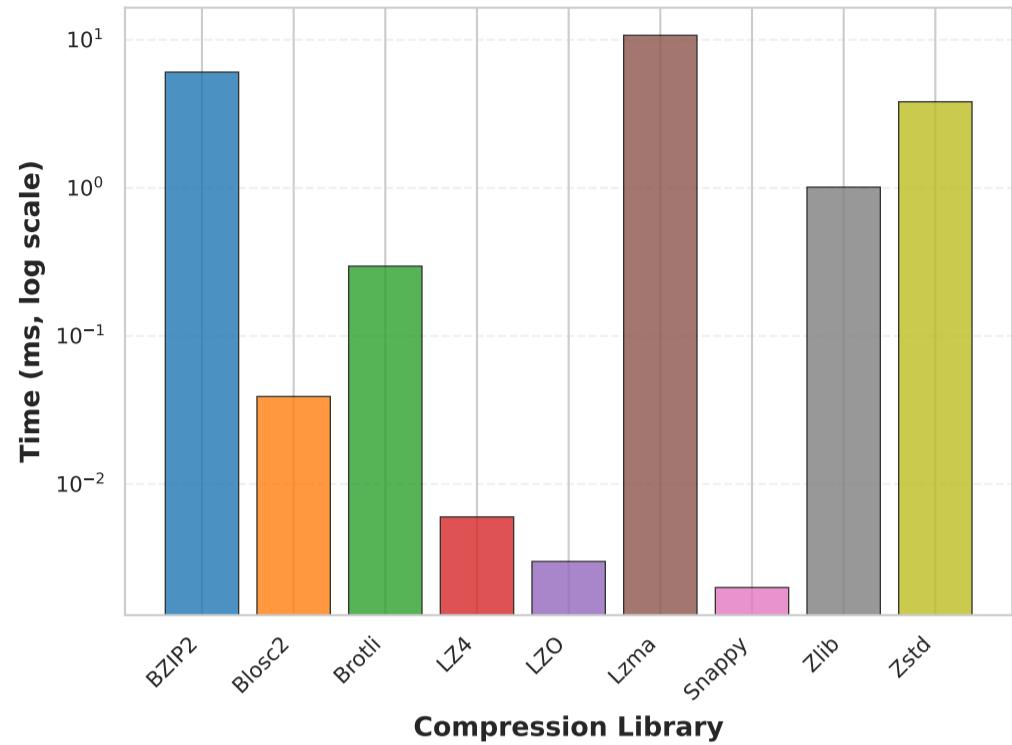


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

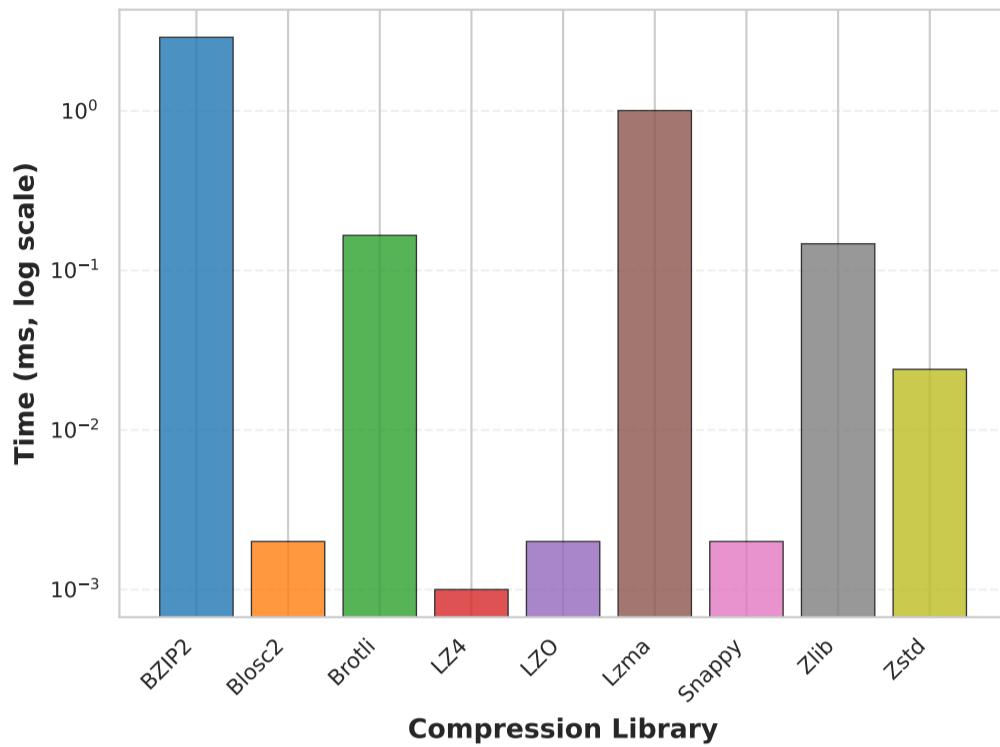
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.04x | 5.1 | 65% |
| Zlib | 1.04x | 1.1 | 100% |
| Lzma | 1.03x | 11.1 | 100% |
| BZIP2 | 1.00x | 7.6 | 66% |
| Brotli | 1.00x | 0.6 | 100% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 120% |
| LZO | 1.00x | 0.0 | 123% |

Parameter Study: normal_10
Standard deviation $\sigma = 10$ (controls clustering)
Char Data Type, 64KB Chunk Size

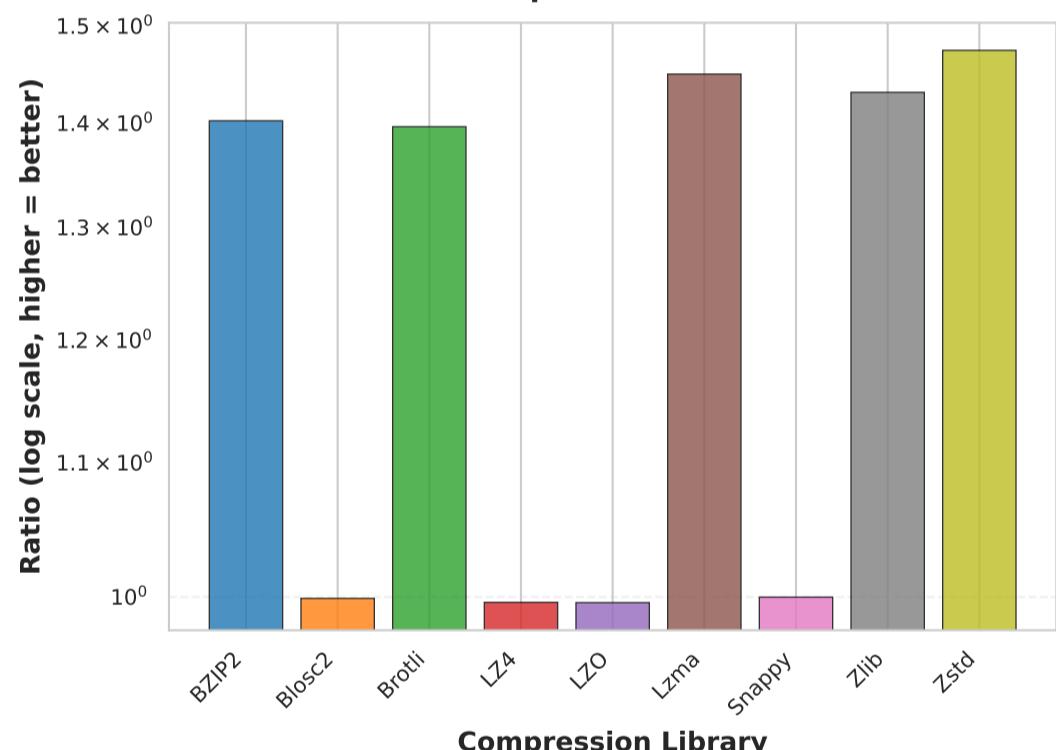
Compression Time



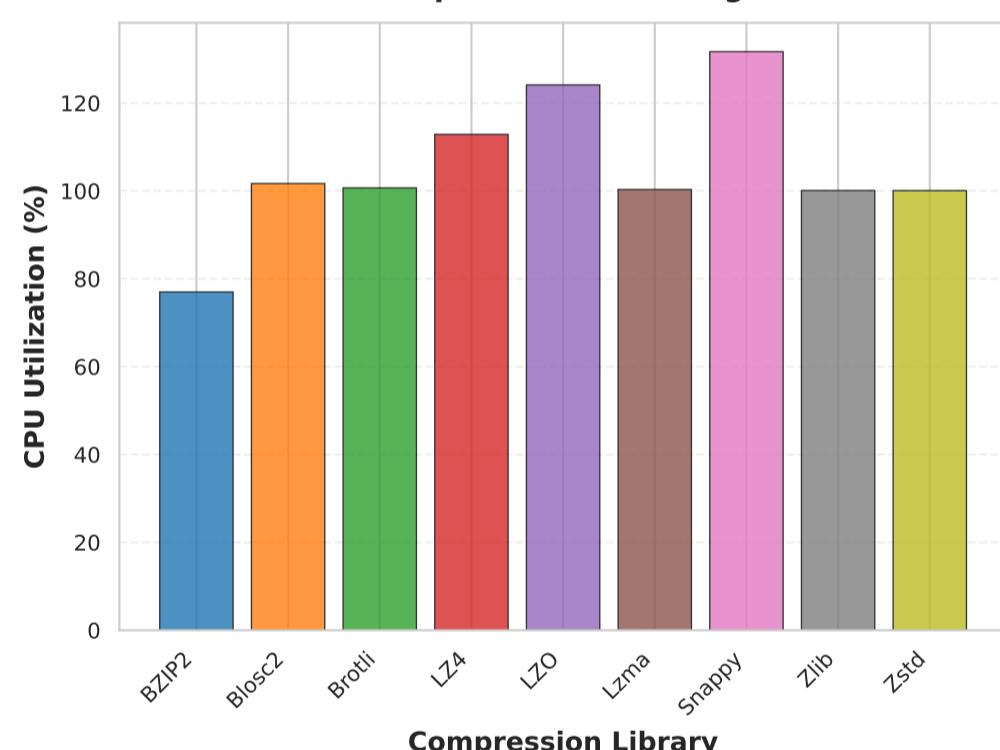
Decompression Time



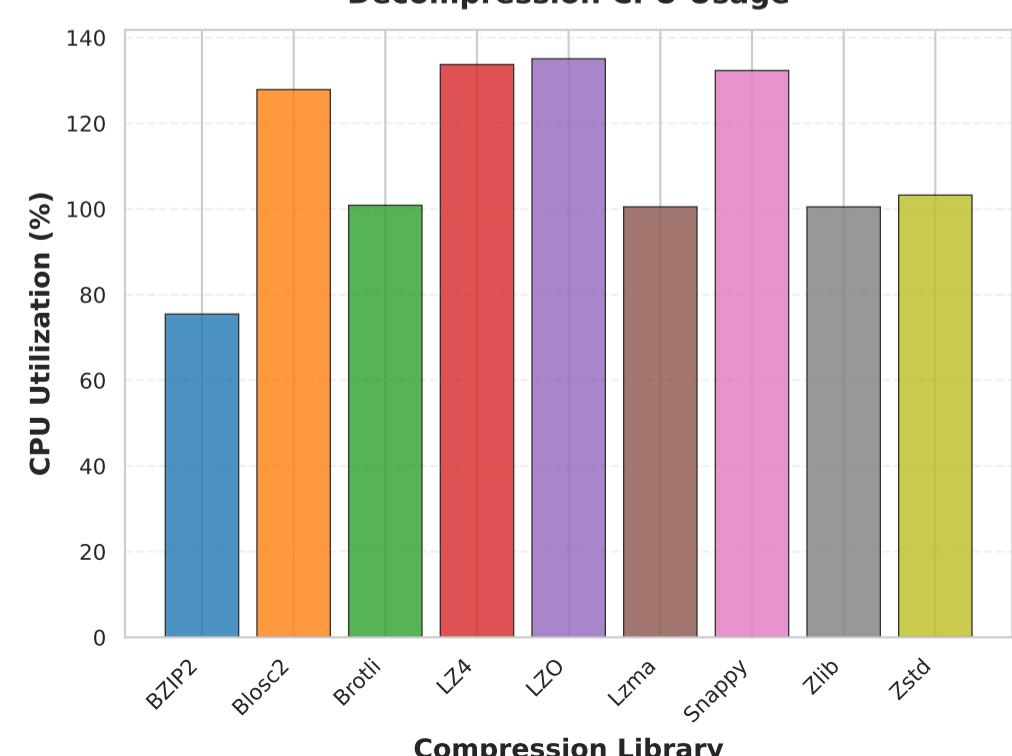
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

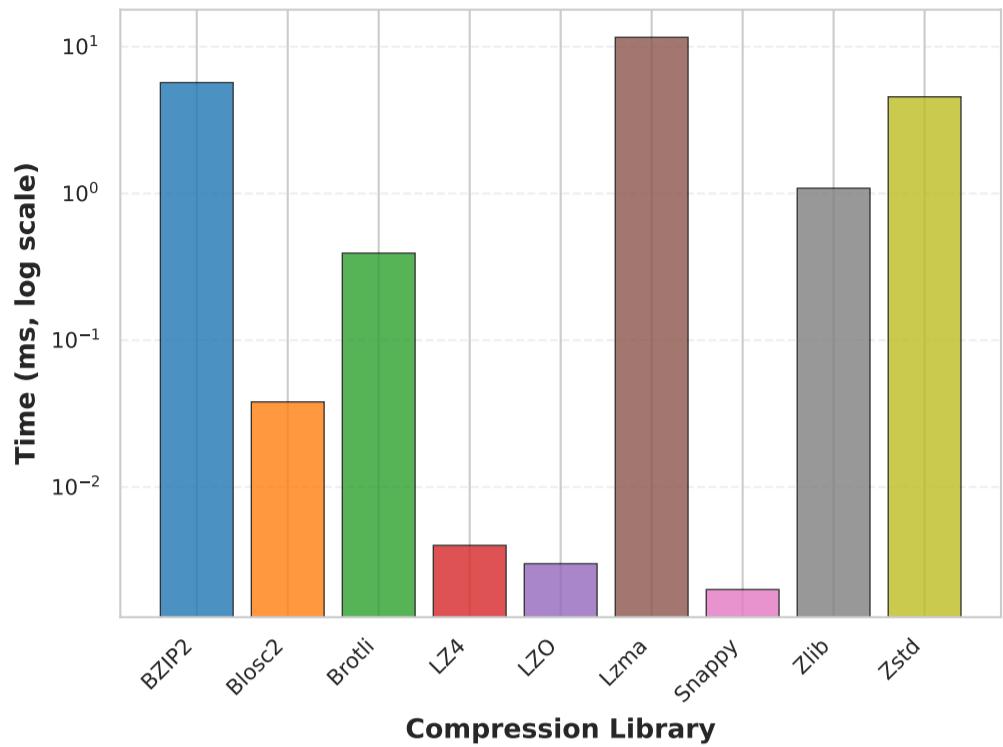


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

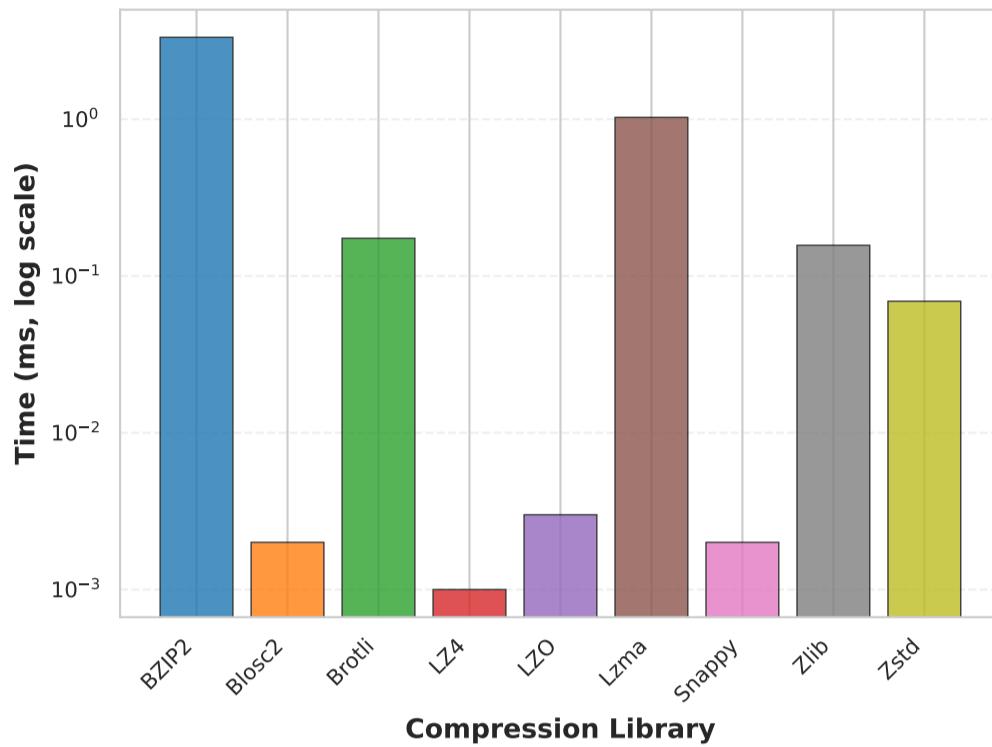
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.47x | 3.8 | 100% |
| Lzma | 1.45x | 10.7 | 100% |
| Zlib | 1.43x | 1.0 | 100% |
| BZIP2 | 1.40x | 6.0 | 77% |
| Brotli | 1.40x | 0.3 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 113% |
| LZO | 1.00x | 0.0 | 124% |

Parameter Study: normal_20
Standard deviation $\sigma = 20$ (controls clustering)
Char Data Type, 64KB Chunk Size

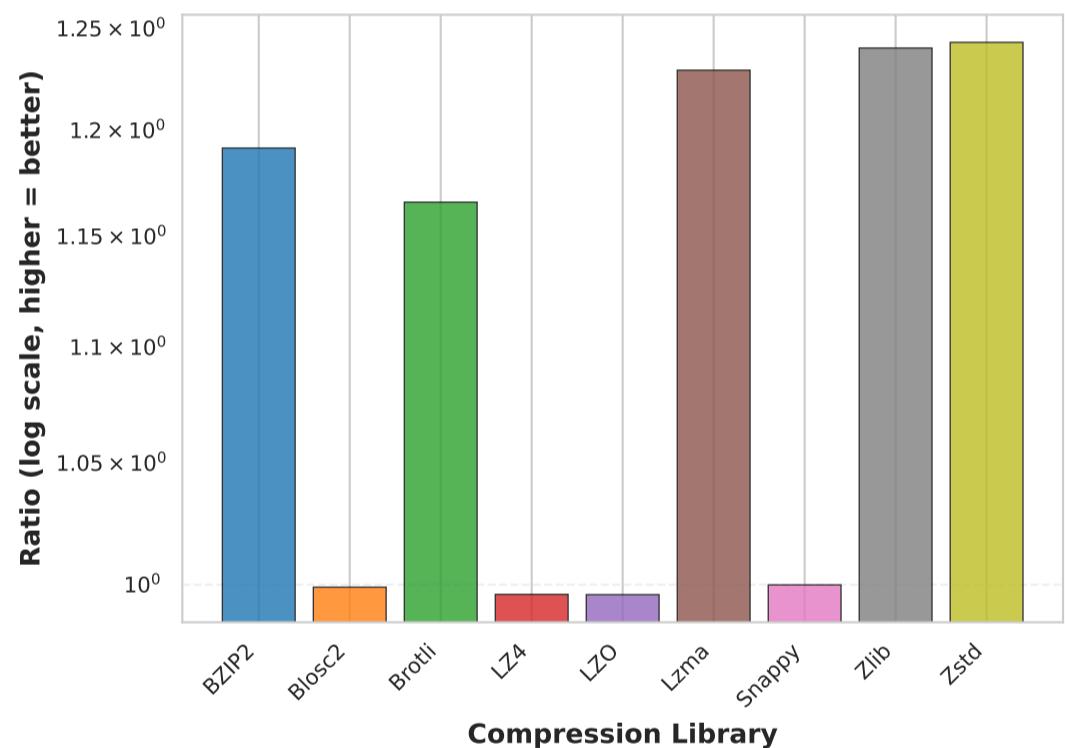
Compression Time



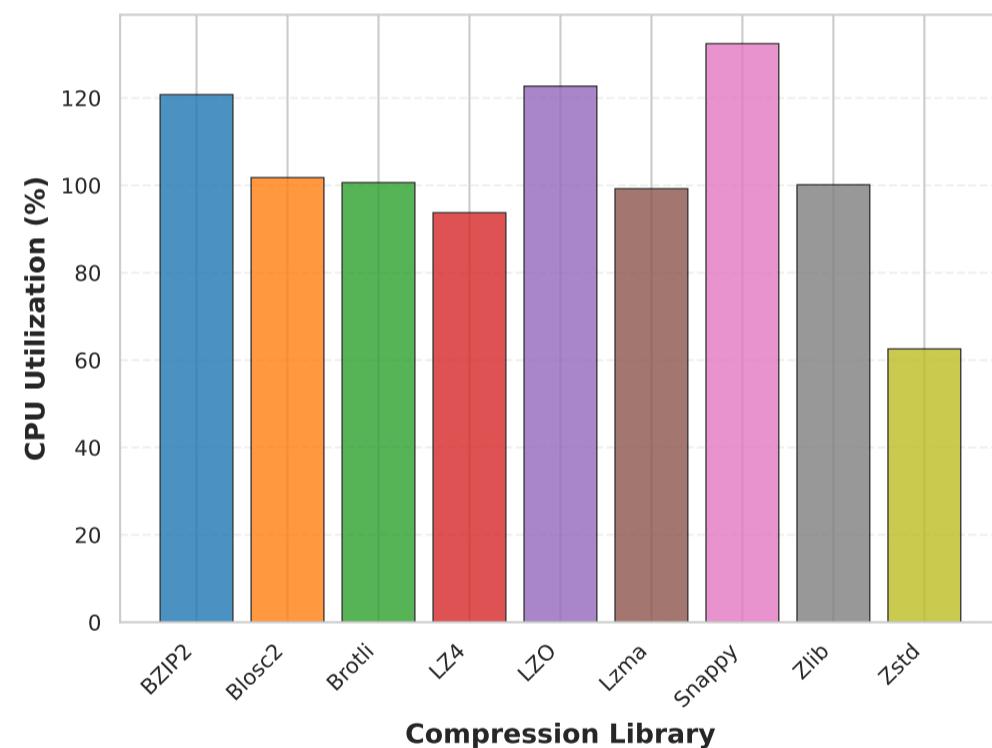
Decompression Time



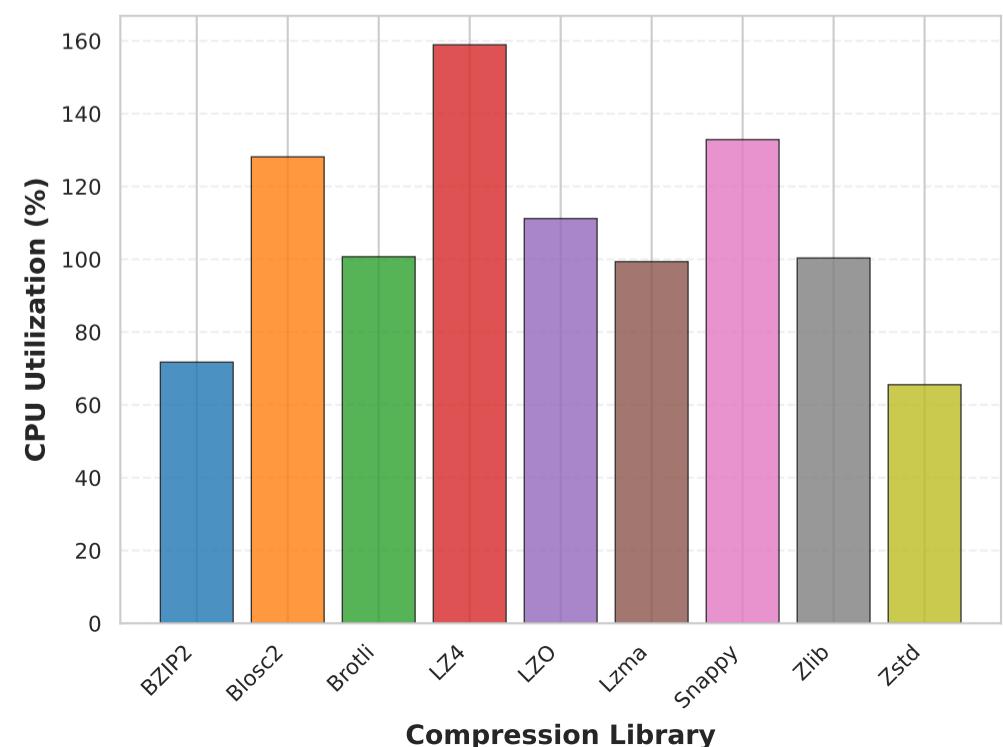
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

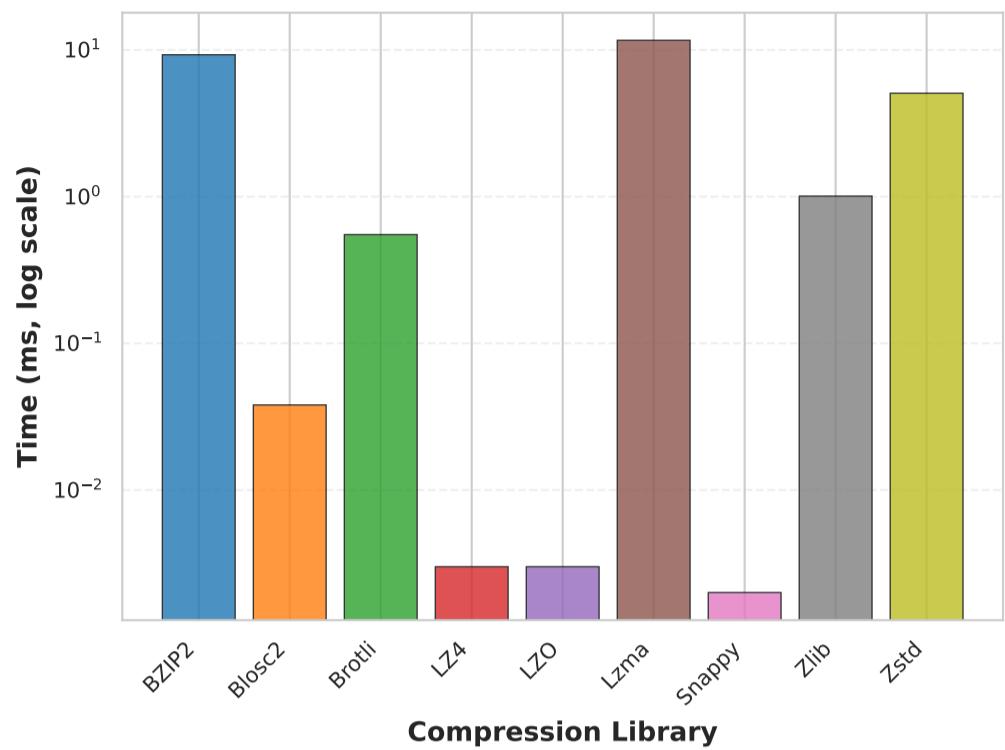


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

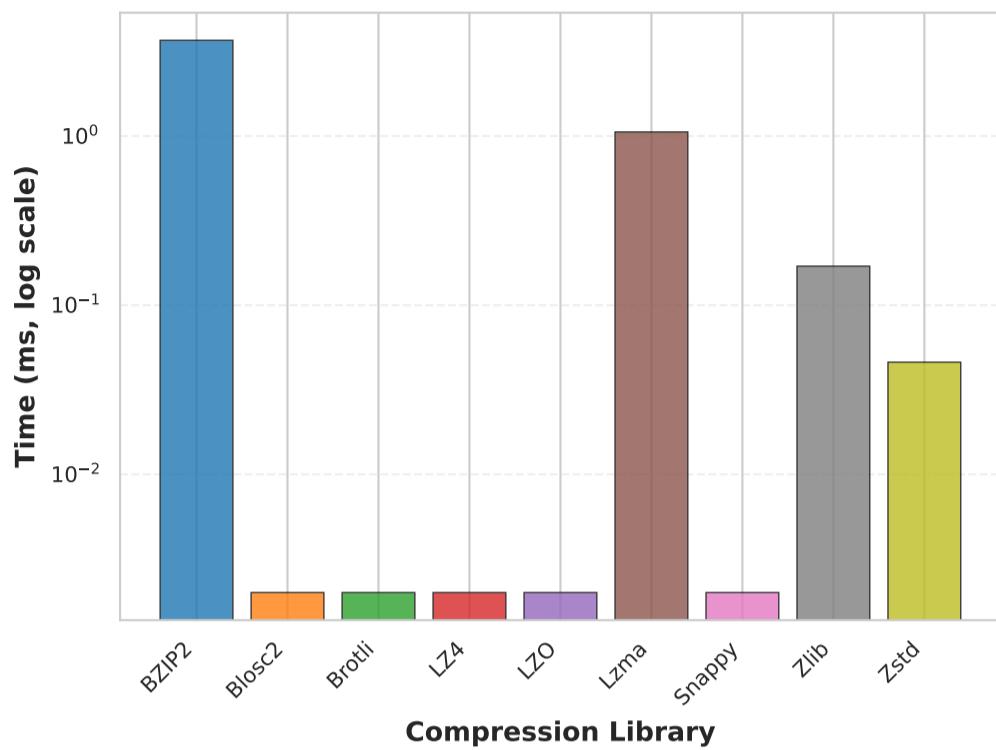
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.24x | 4.6 | 63% |
| Zlib | 1.24x | 1.1 | 100% |
| Lzma | 1.23x | 11.6 | 99% |
| BZIP2 | 1.19x | 5.7 | 121% |
| Brotli | 1.17x | 0.4 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 94% |
| LZO | 1.00x | 0.0 | 123% |

Parameter Study: normal_40
Standard deviation $\sigma = 40$ (controls clustering)
Char Data Type, 64KB Chunk Size

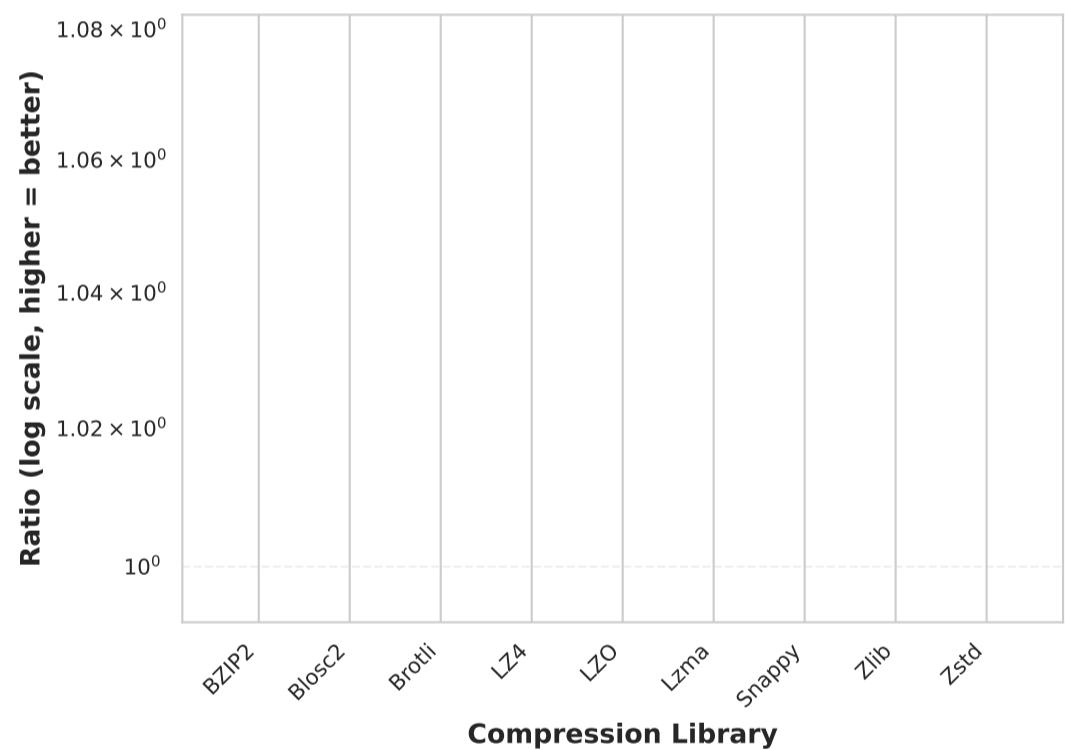
Compression Time



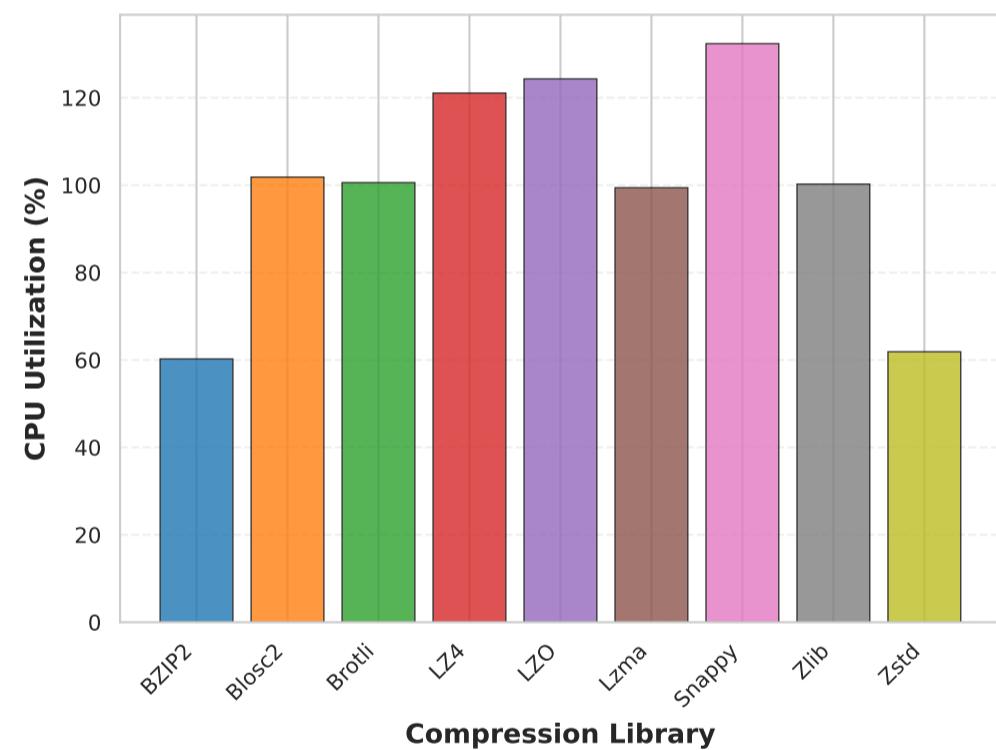
Decompression Time



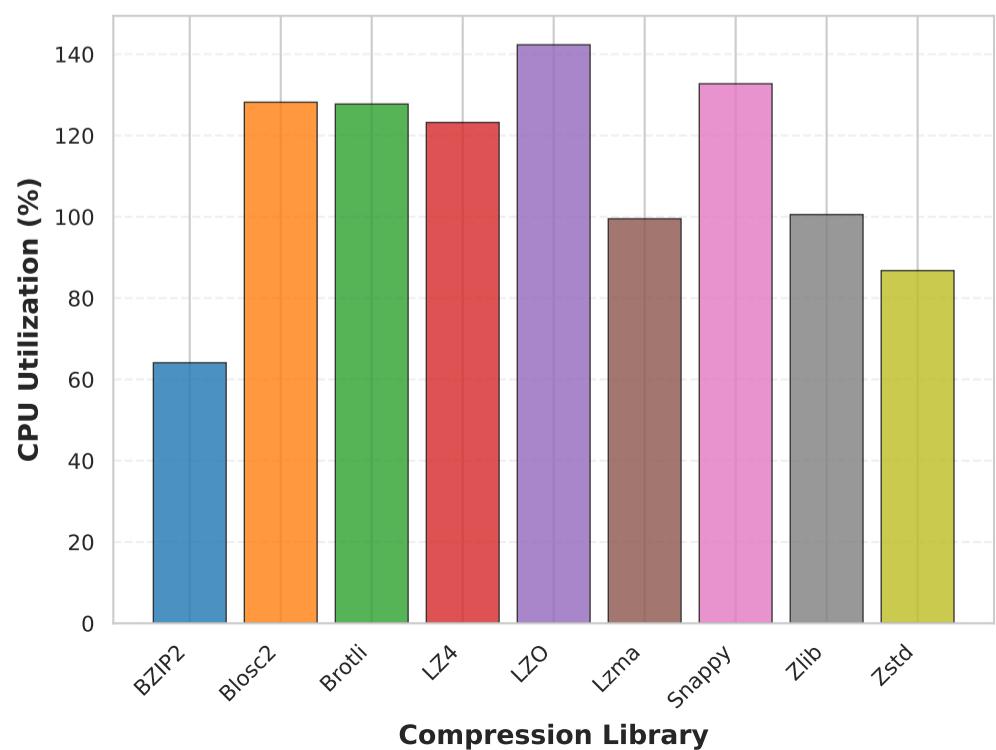
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

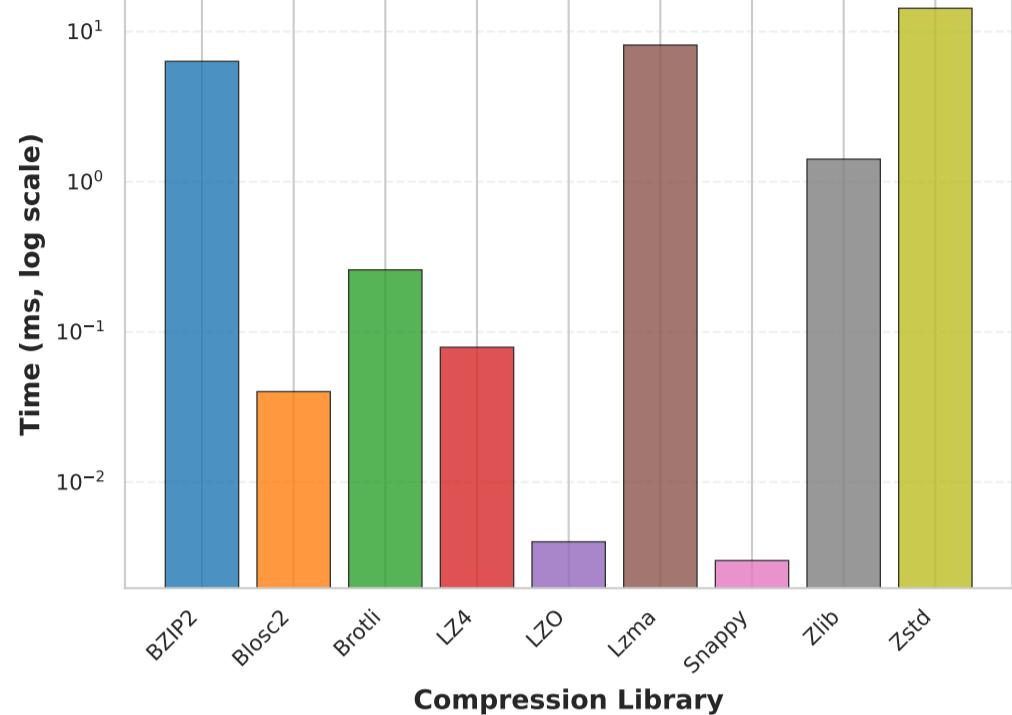


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

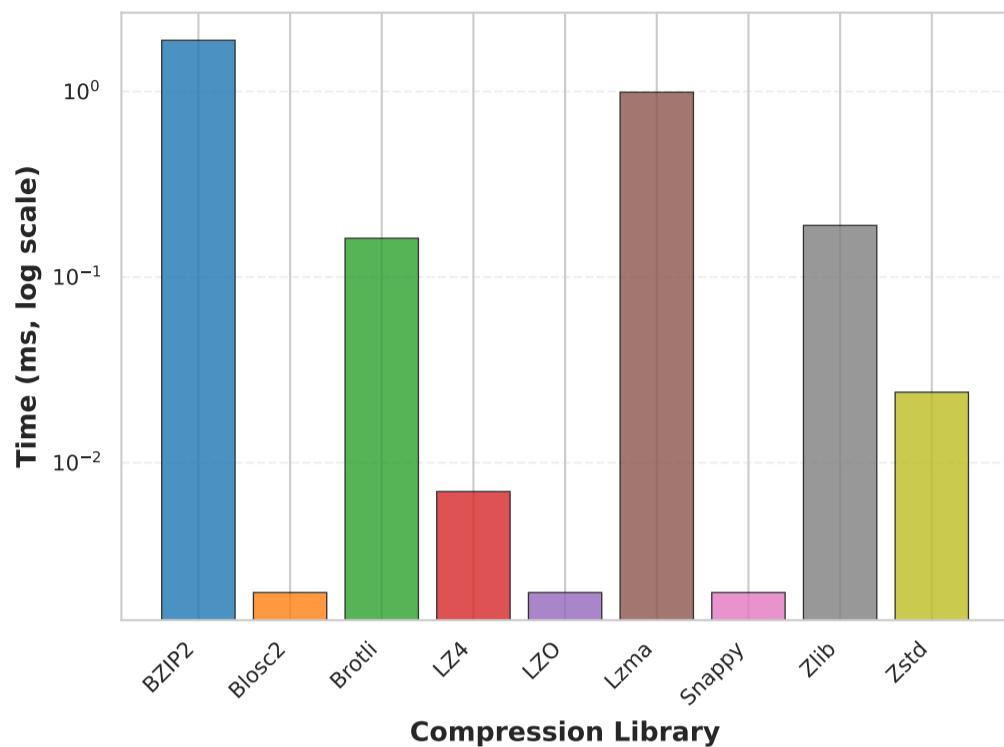
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.08x | 5.1 | 62% |
| Zlib | 1.08x | 1.0 | 100% |
| Lzma | 1.07x | 11.6 | 99% |
| BZIP2 | 1.04x | 9.3 | 60% |
| Brotli | 1.00x | 0.6 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 121% |
| LZO | 1.00x | 0.0 | 124% |

Parameter Study: normal_5
Standard deviation $\sigma = 5$ (controls clustering)
Char Data Type, 64KB Chunk Size

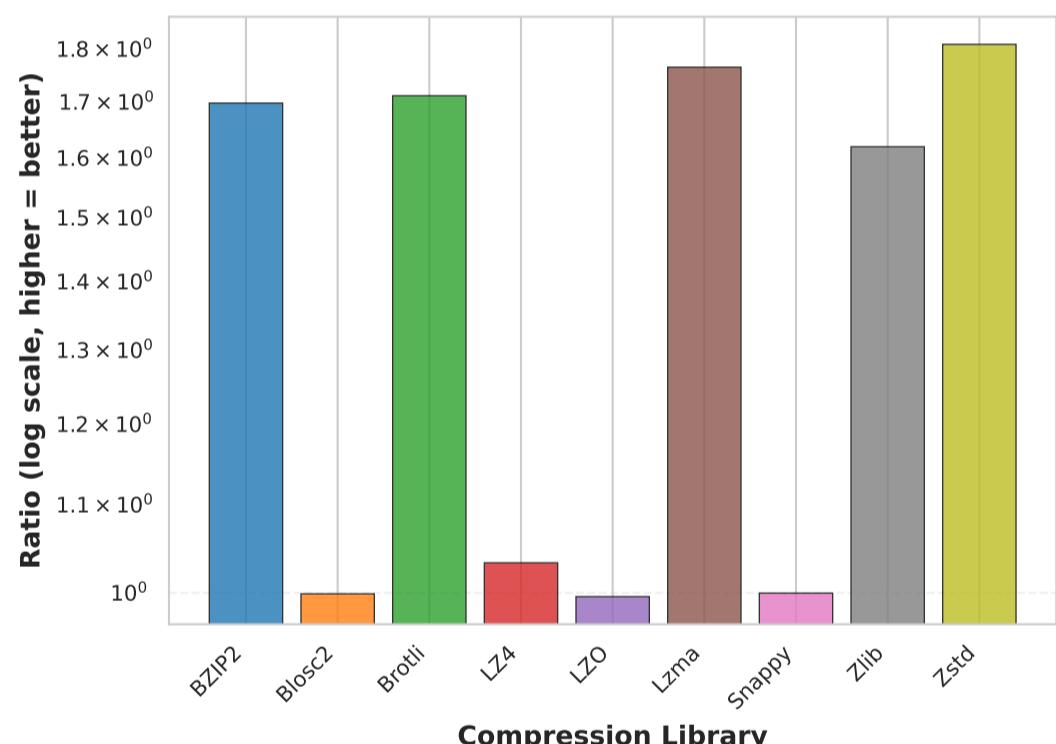
Compression Time



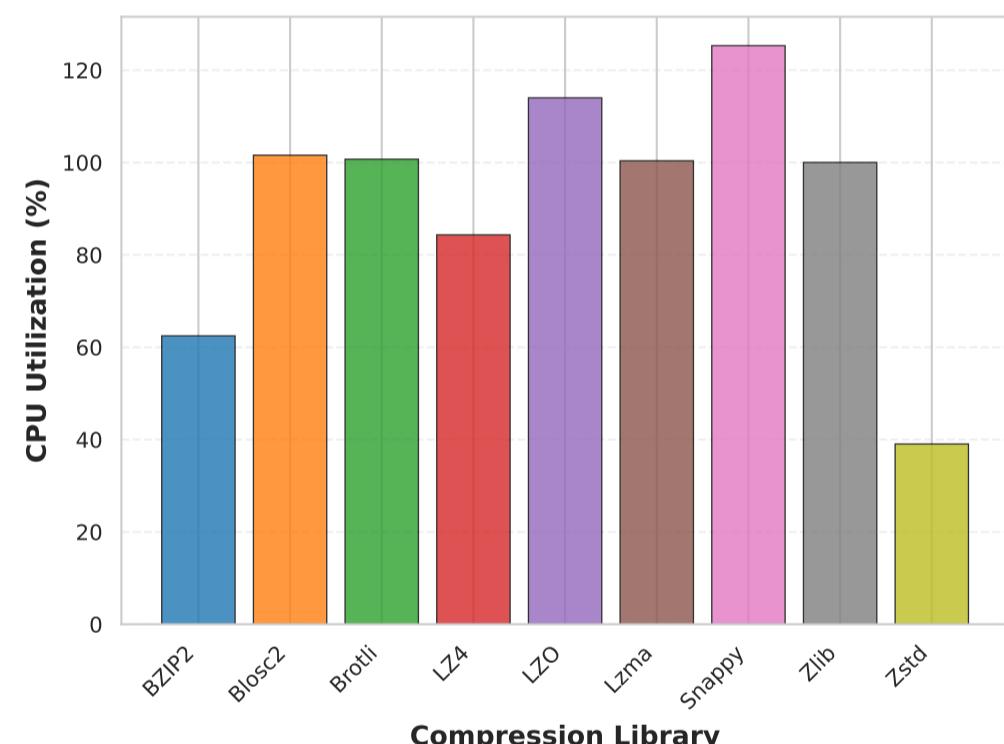
Decompression Time



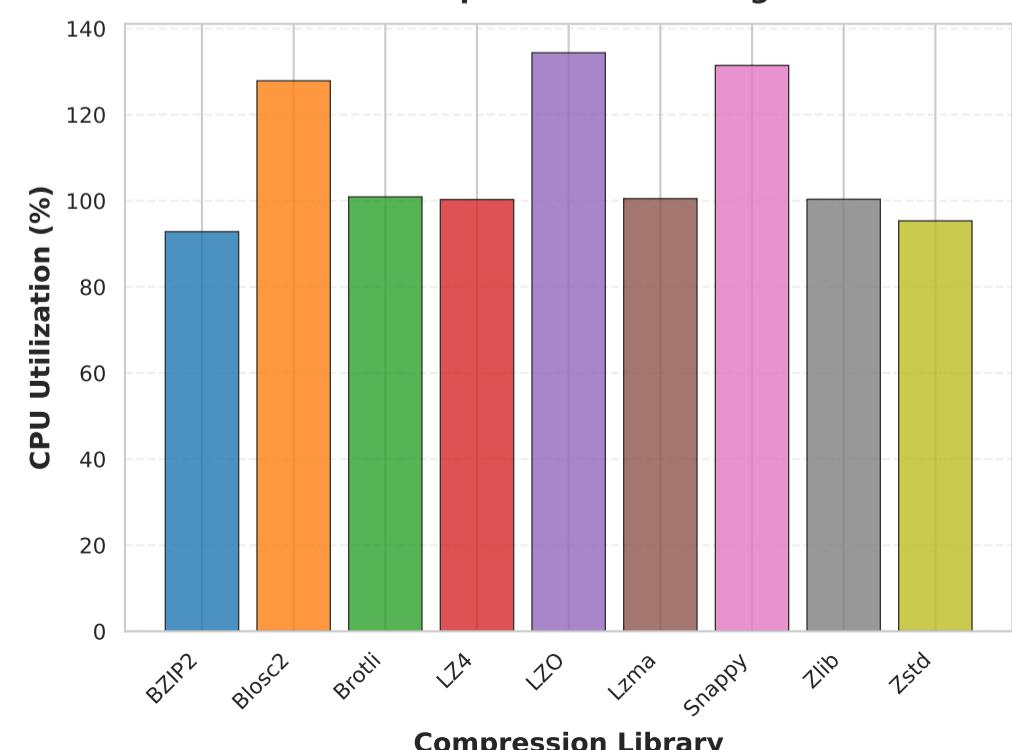
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

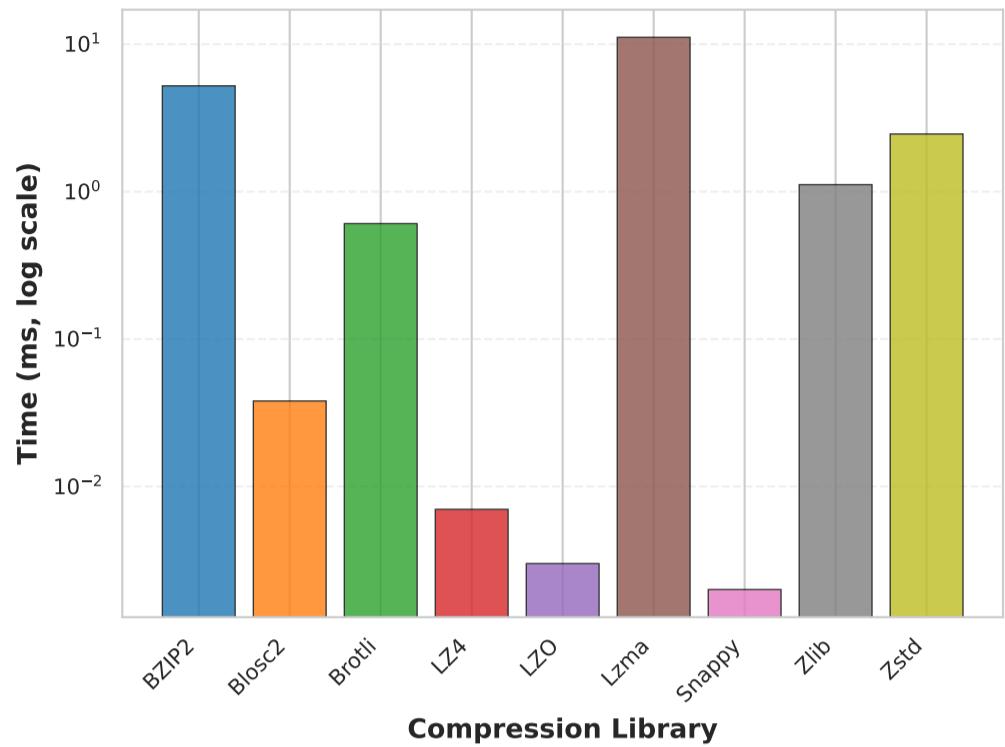


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

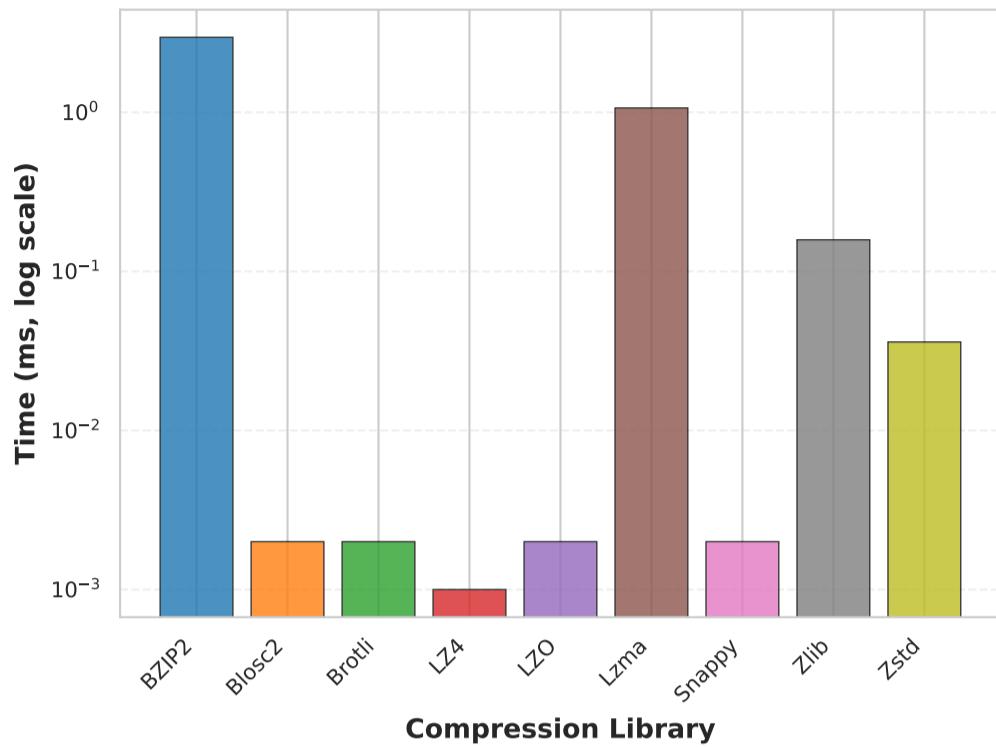
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.81x | 14.3 | 39% |
| Lzma | 1.77x | 8.1 | 100% |
| Brotli | 1.71x | 0.3 | 101% |
| BZIP2 | 1.70x | 6.3 | 62% |
| Zlib | 1.62x | 1.4 | 100% |
| LZ4 | 1.03x | 0.1 | 84% |
| Snappy | 1.00x | 0.0 | 125% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZO | 1.00x | 0.0 | 114% |

Parameter Study: normal_80
Standard deviation $\sigma = 80$ (controls clustering)
Char Data Type, 64KB Chunk Size

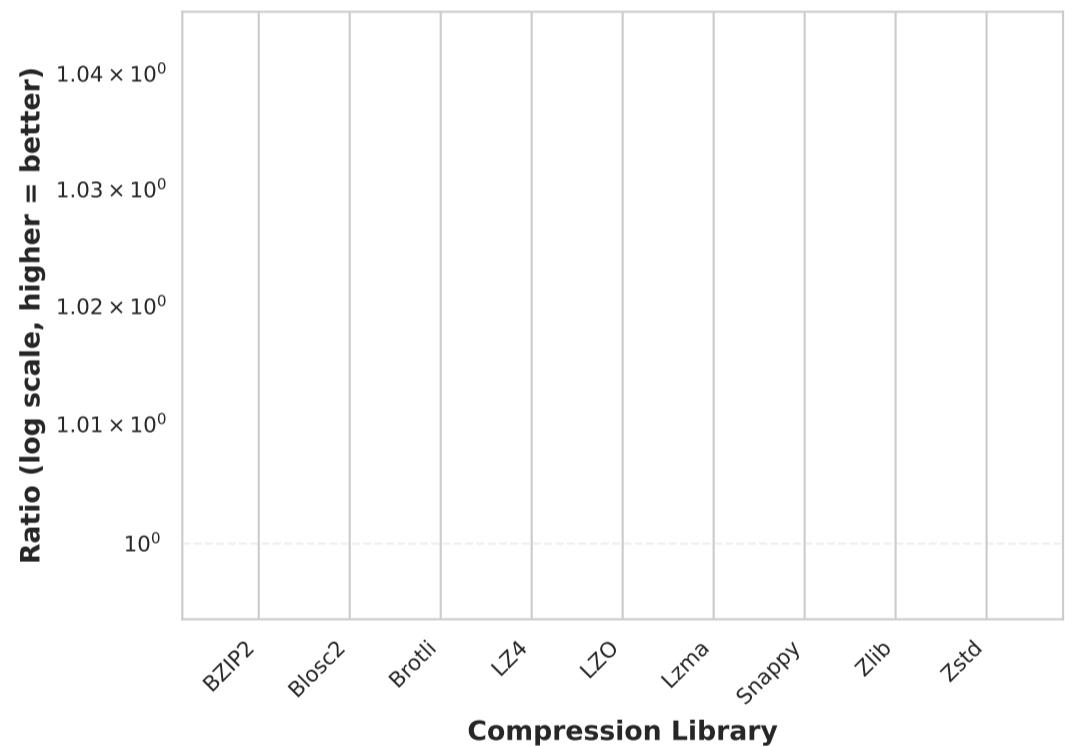
Compression Time



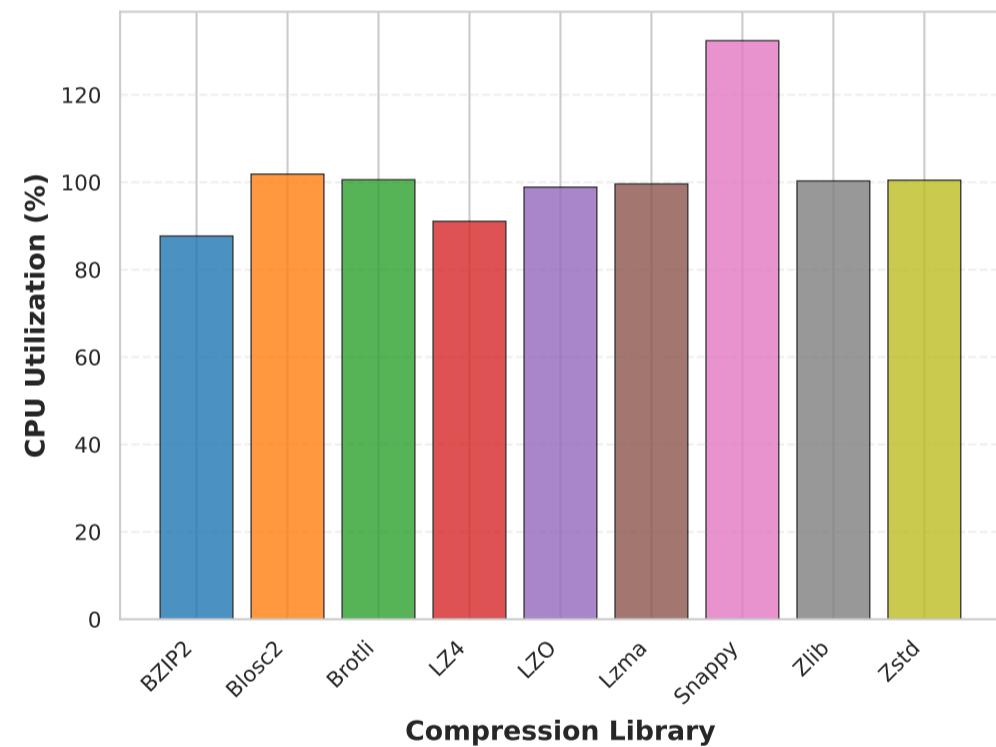
Decompression Time



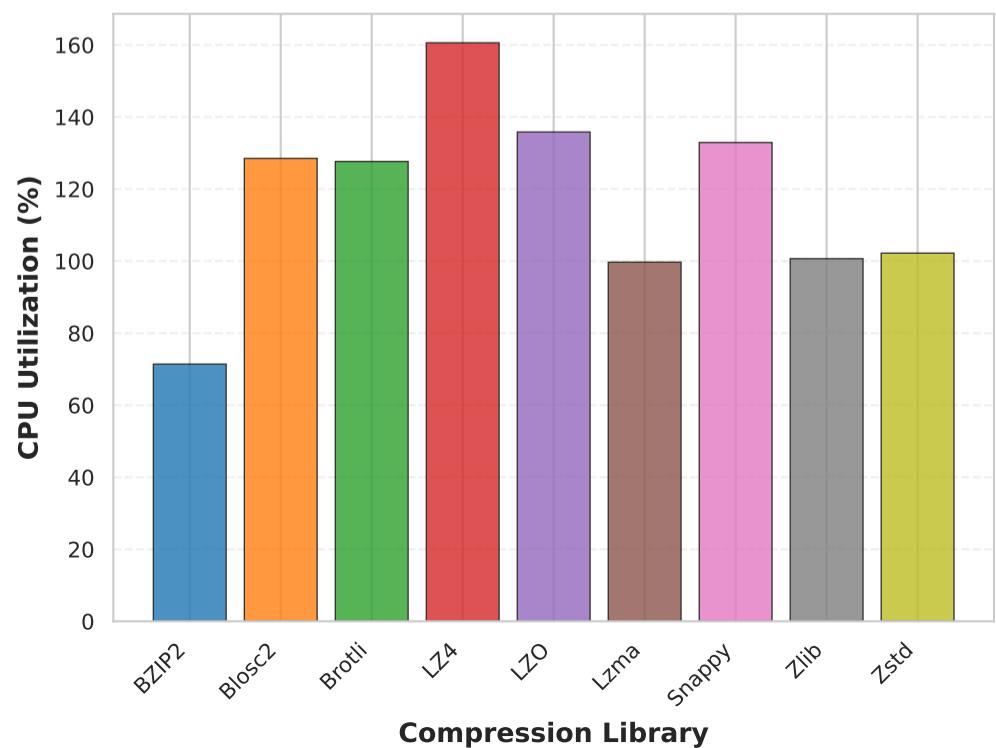
Compression Ratio



Compression CPU Usage



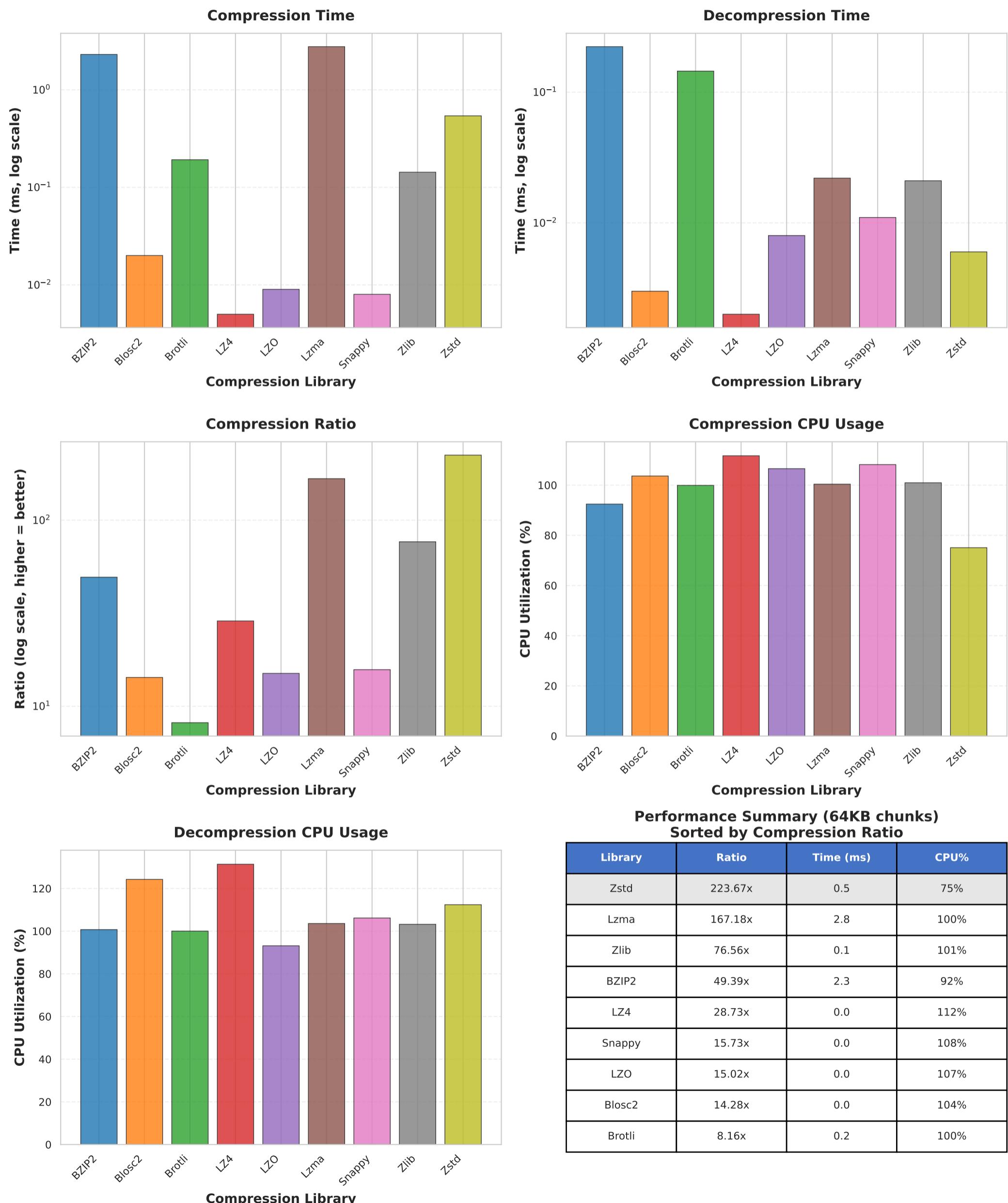
Decompression CPU Usage



**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

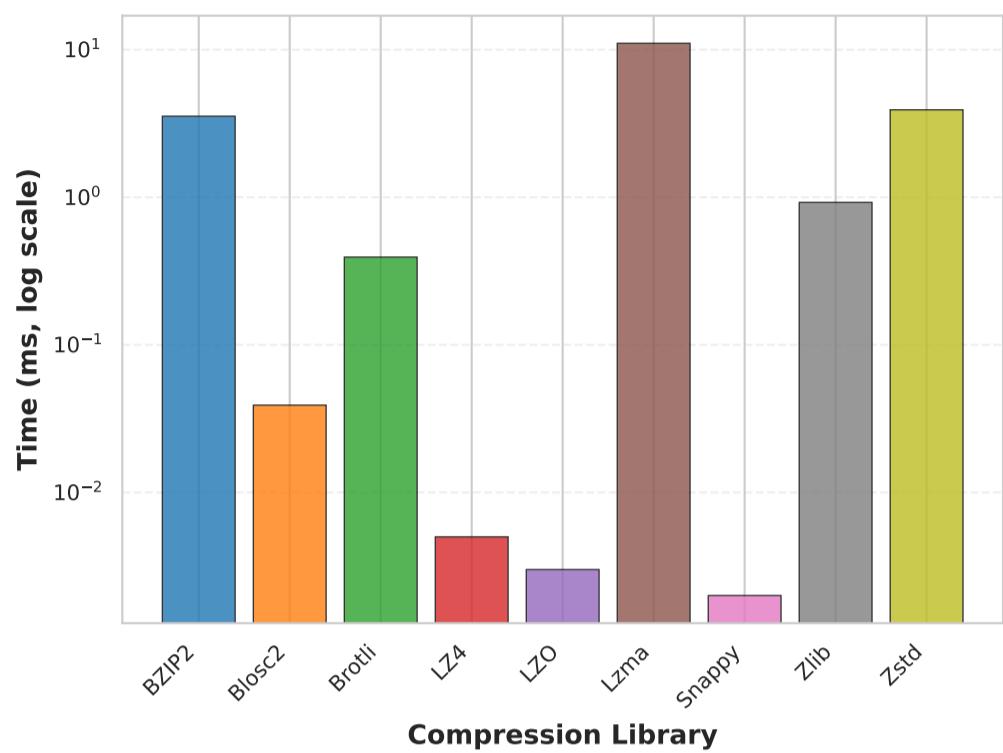
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.04x | 2.5 | 100% |
| Zlib | 1.04x | 1.1 | 100% |
| Lzma | 1.03x | 11.1 | 100% |
| Snappy | 1.00x | 0.0 | 132% |
| Brotli | 1.00x | 0.6 | 101% |
| Blosc2 | 1.00x | 0.0 | 102% |
| BZIP2 | 1.00x | 5.2 | 88% |
| LZ4 | 1.00x | 0.0 | 91% |
| LZO | 1.00x | 0.0 | 99% |

**Parameter Study: repeating
Deterministic pattern (AAABBBCCC...): Extremely compressible
Char Data Type, 64KB Chunk Size**

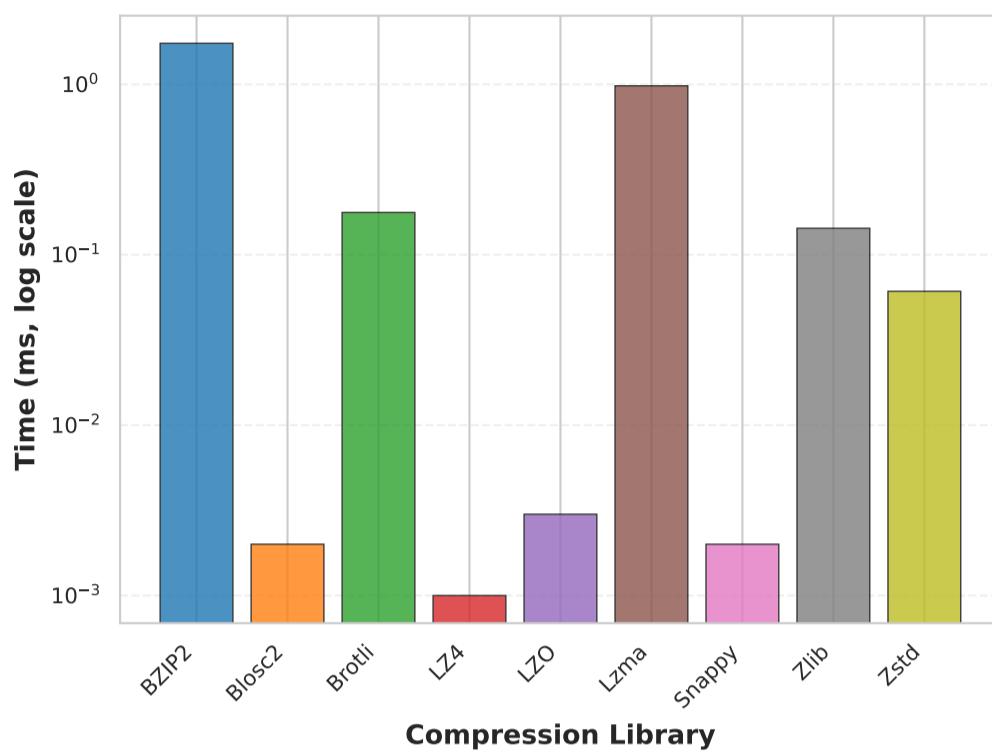


Parameter Study: uniform_127
Max value = 127 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

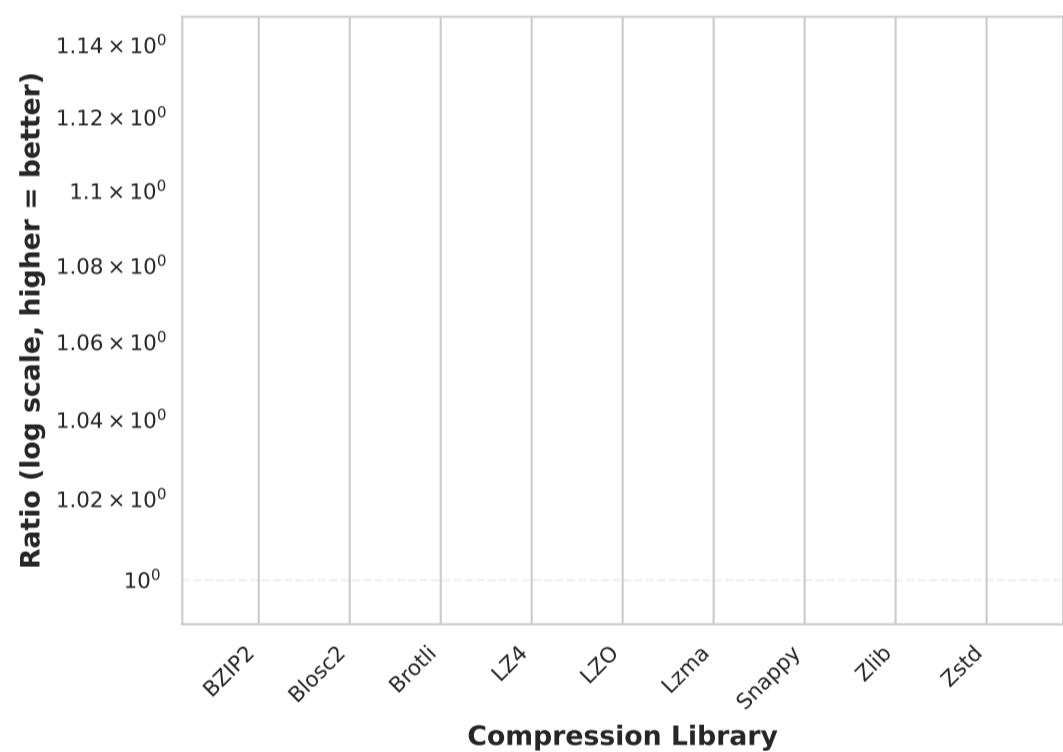
Compression Time



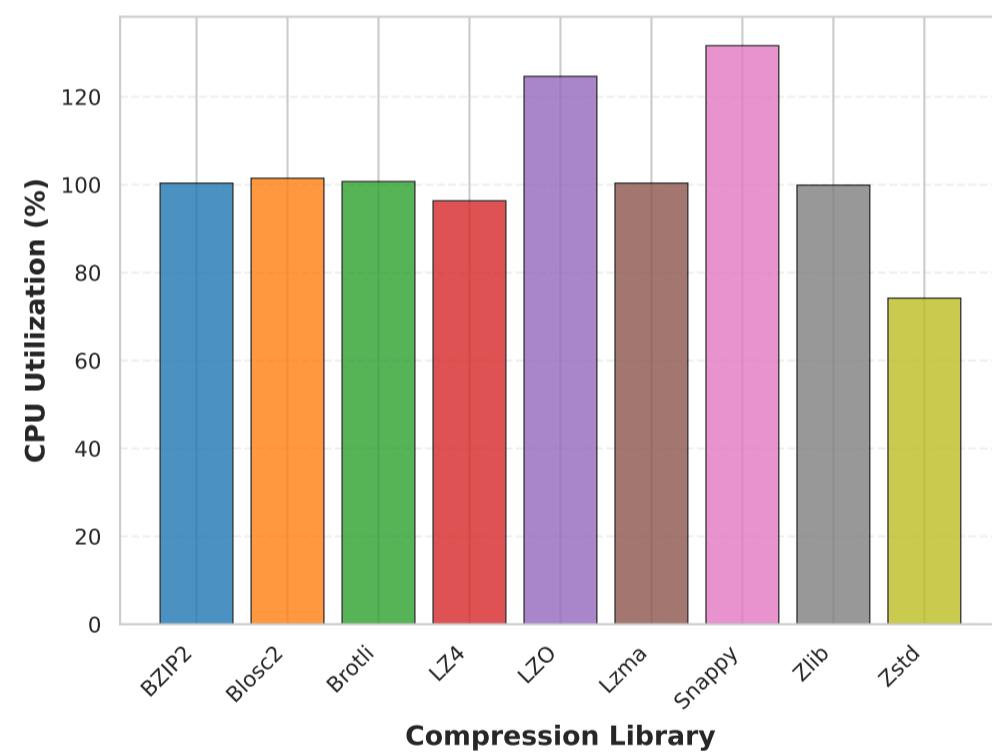
Decompression Time



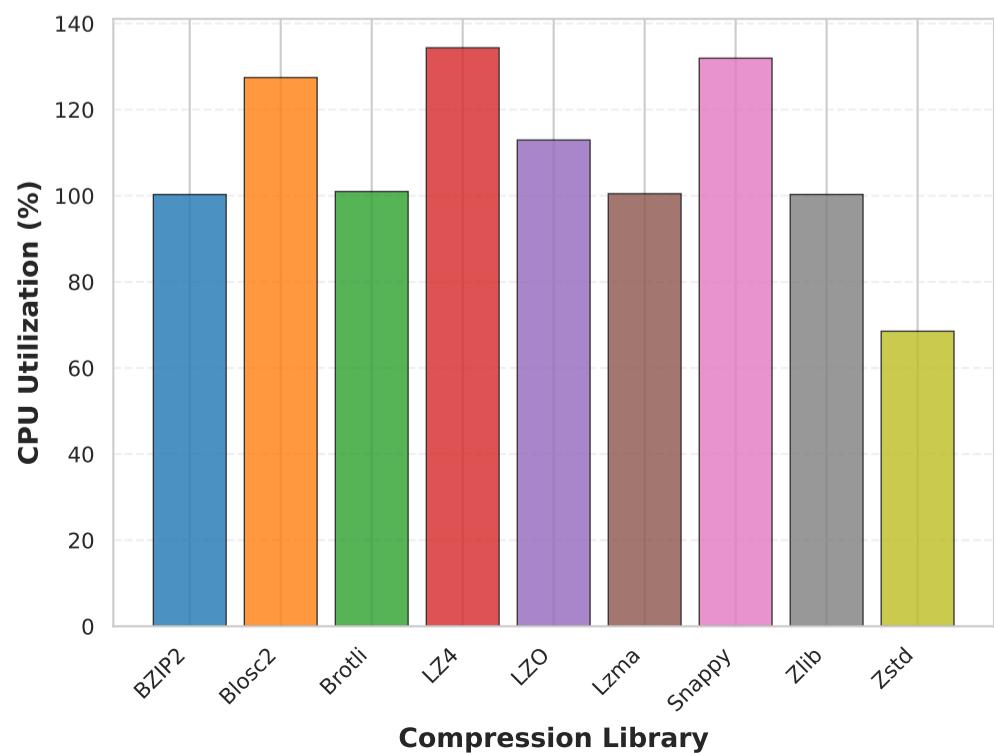
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

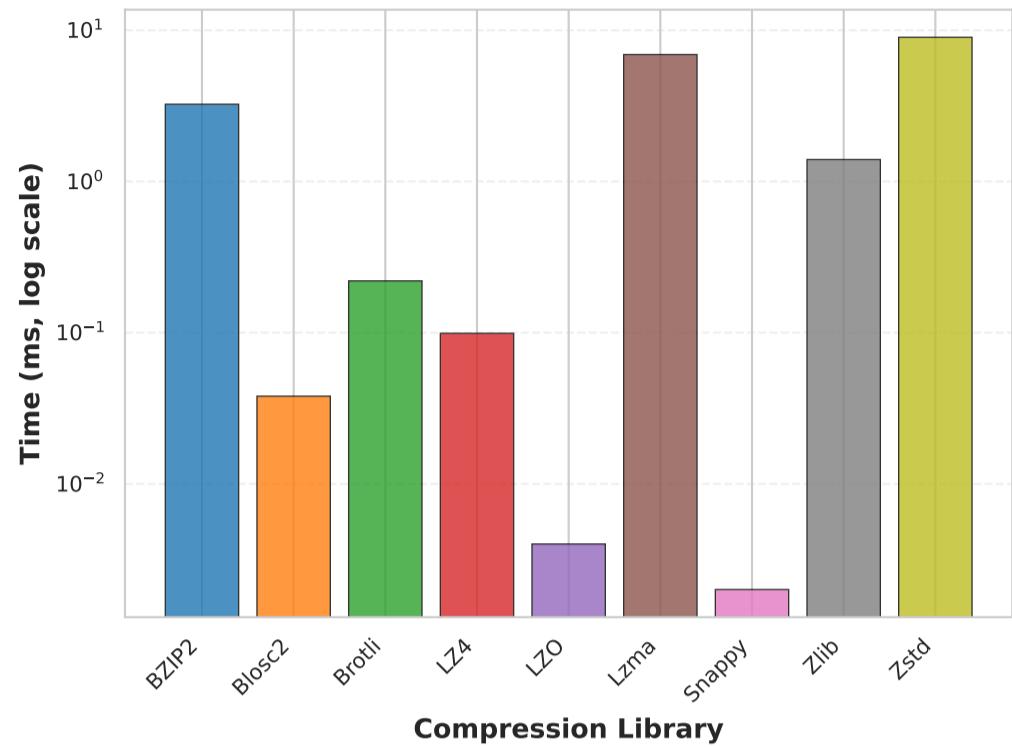


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

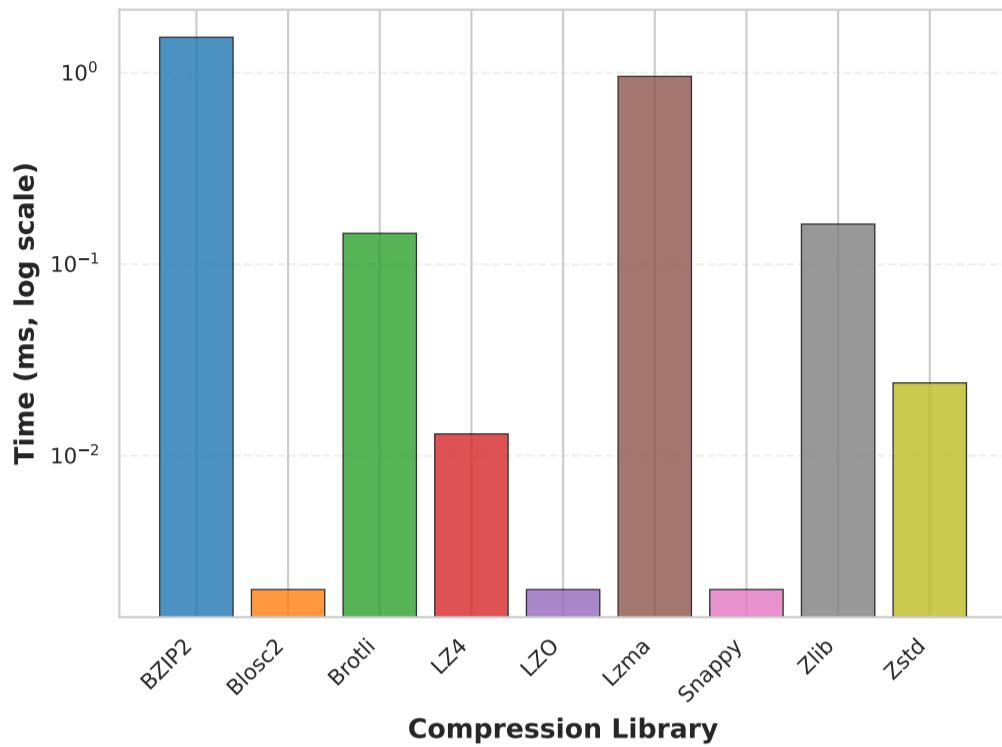
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.14x | 3.9 | 74% |
| Zlib | 1.14x | 0.9 | 100% |
| BZIP2 | 1.13x | 3.5 | 100% |
| Lzma | 1.12x | 11.1 | 100% |
| Brotli | 1.07x | 0.4 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 101% |
| LZ4 | 1.00x | 0.0 | 96% |
| LZO | 1.00x | 0.0 | 125% |

Parameter Study: uniform_15
Max value = 15 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

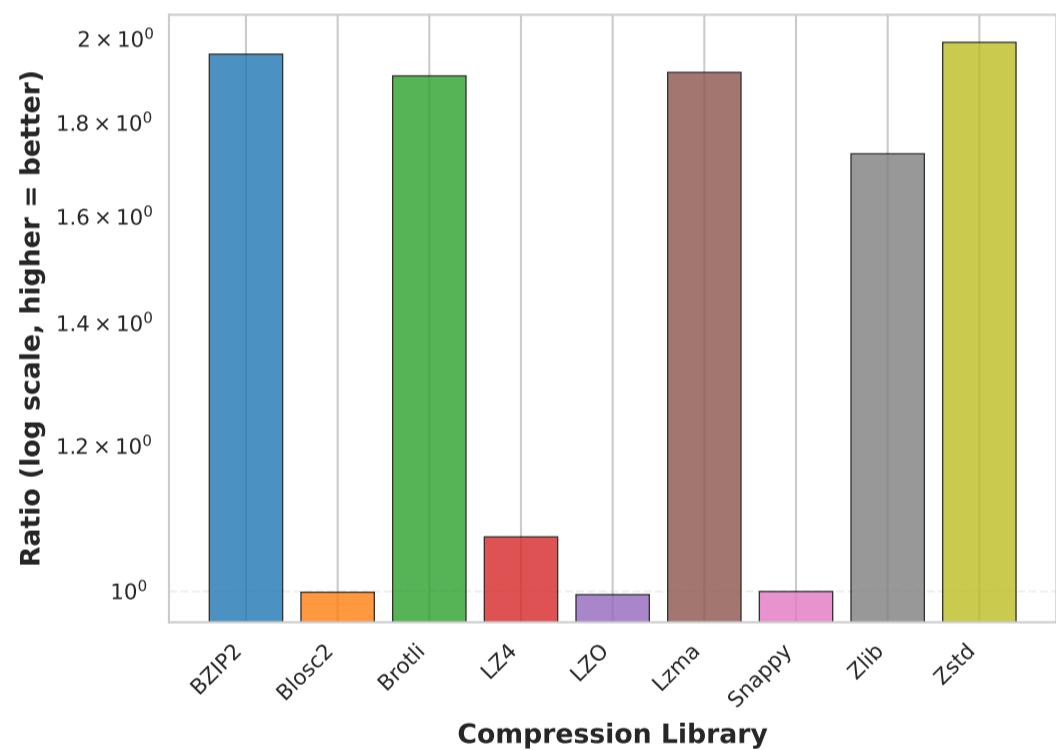
Compression Time



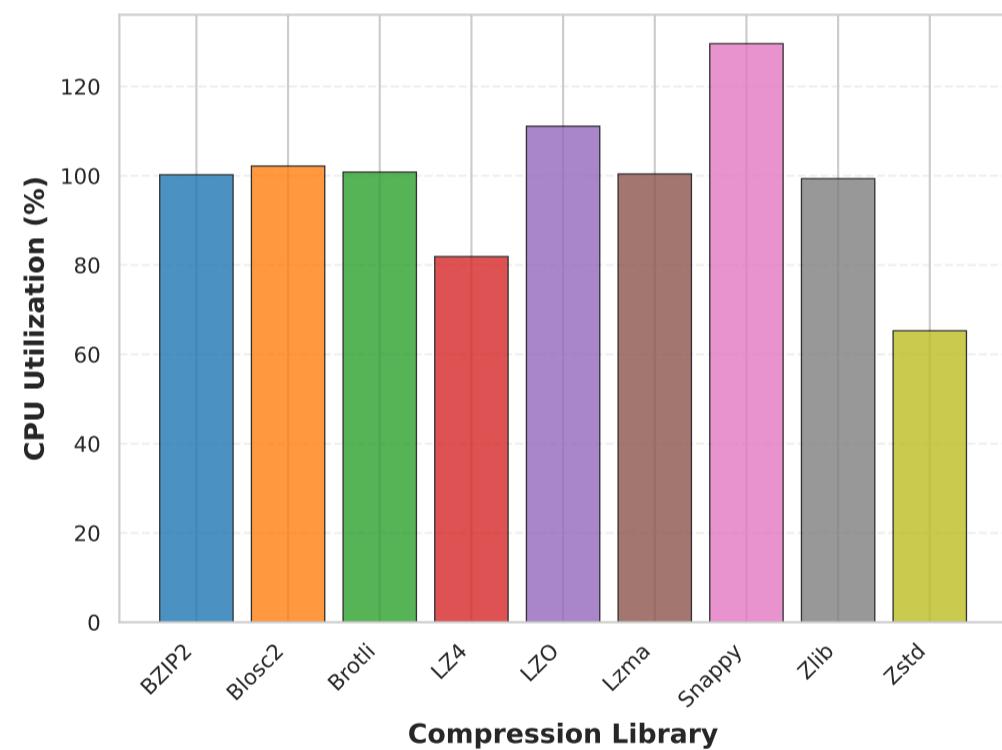
Decompression Time



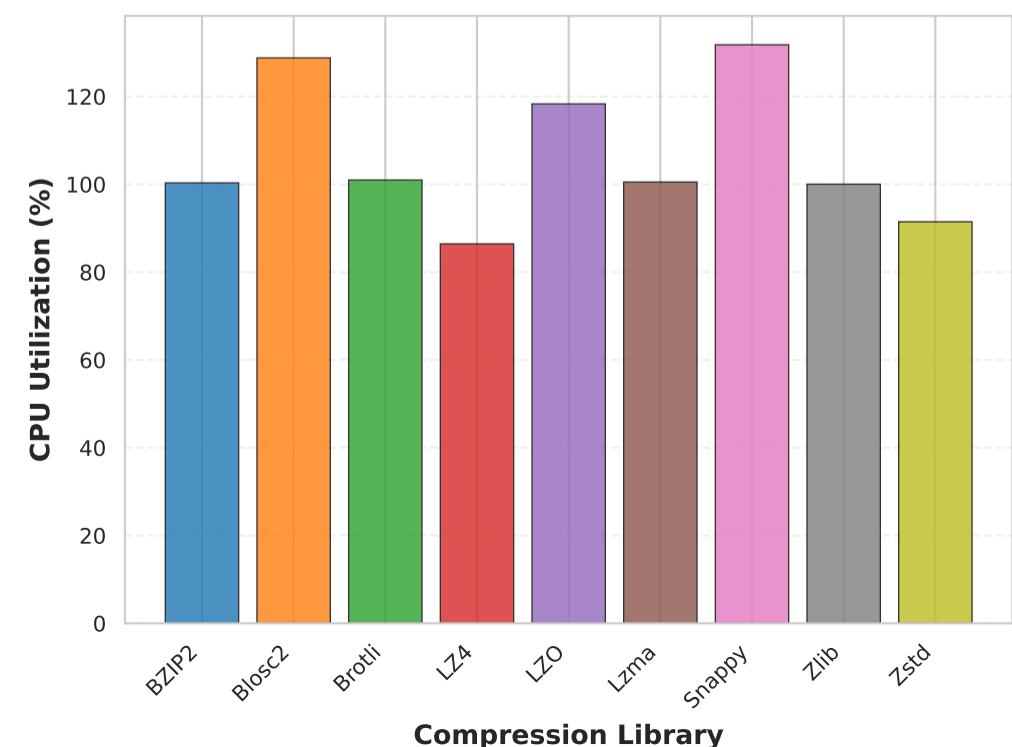
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

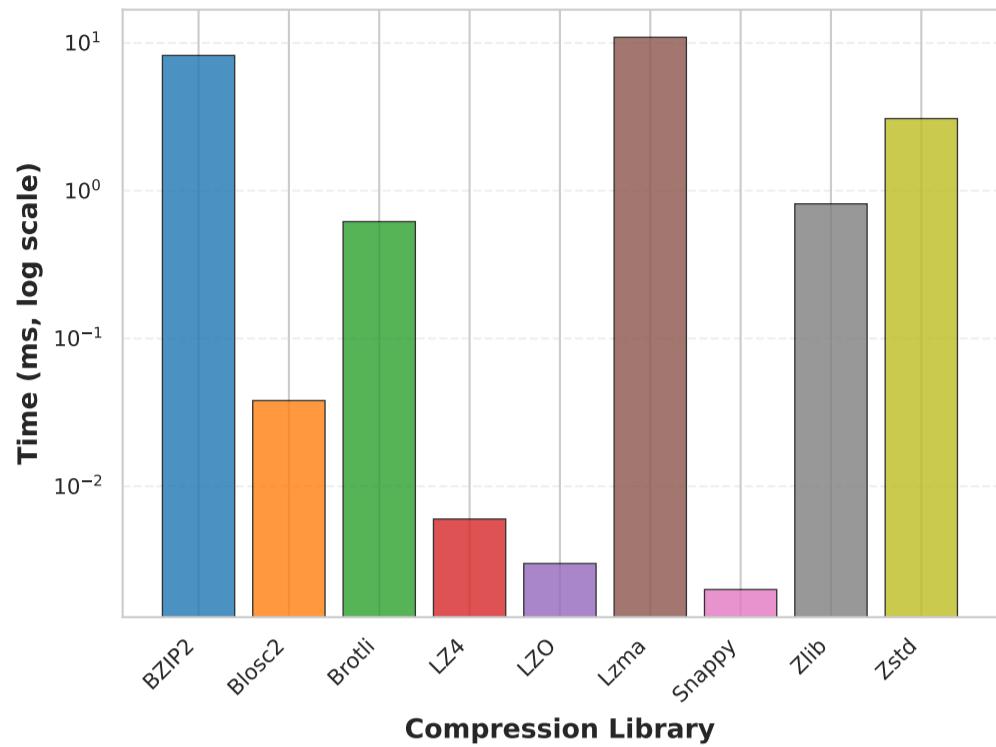


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

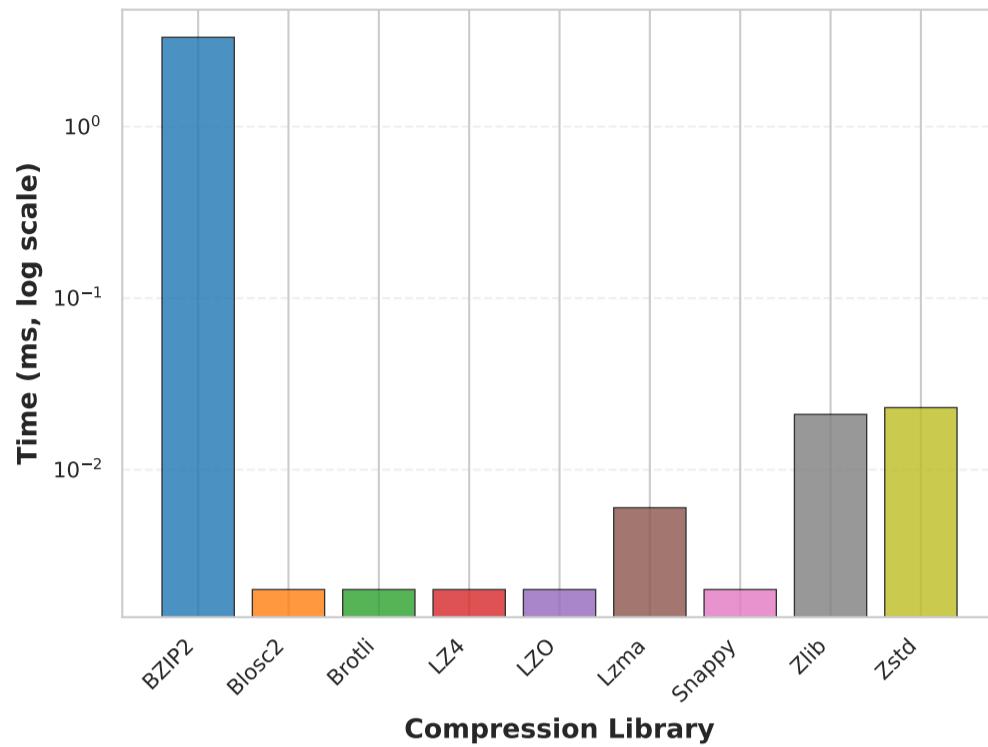
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.99x | 9.0 | 65% |
| BZIP2 | 1.96x | 3.2 | 100% |
| Lzma | 1.92x | 6.9 | 100% |
| Brotli | 1.91x | 0.2 | 101% |
| Zlib | 1.73x | 1.4 | 99% |
| LZ4 | 1.07x | 0.1 | 82% |
| Snappy | 1.00x | 0.0 | 130% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZO | 1.00x | 0.0 | 111% |

Parameter Study: uniform_255
Max value = 255 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

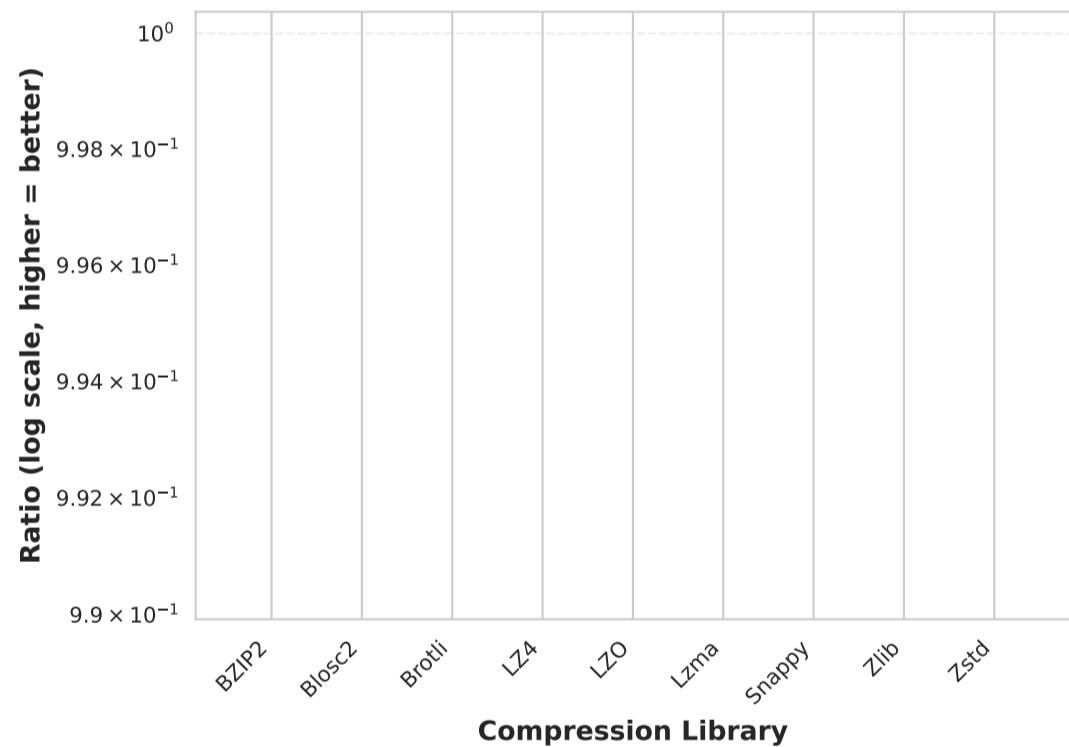
Compression Time



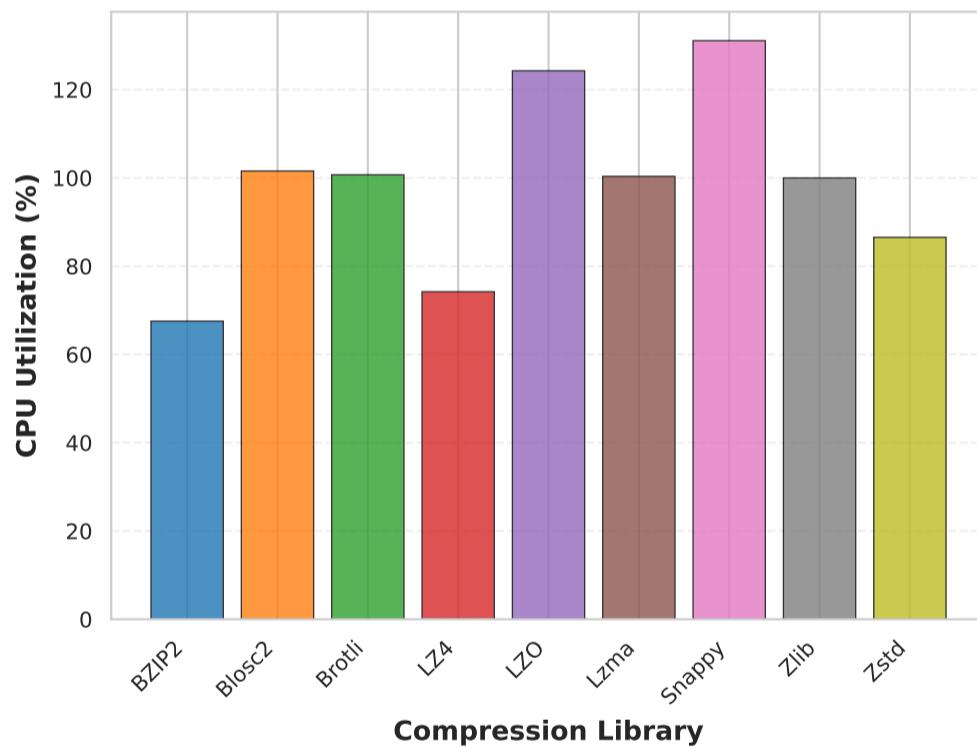
Decompression Time



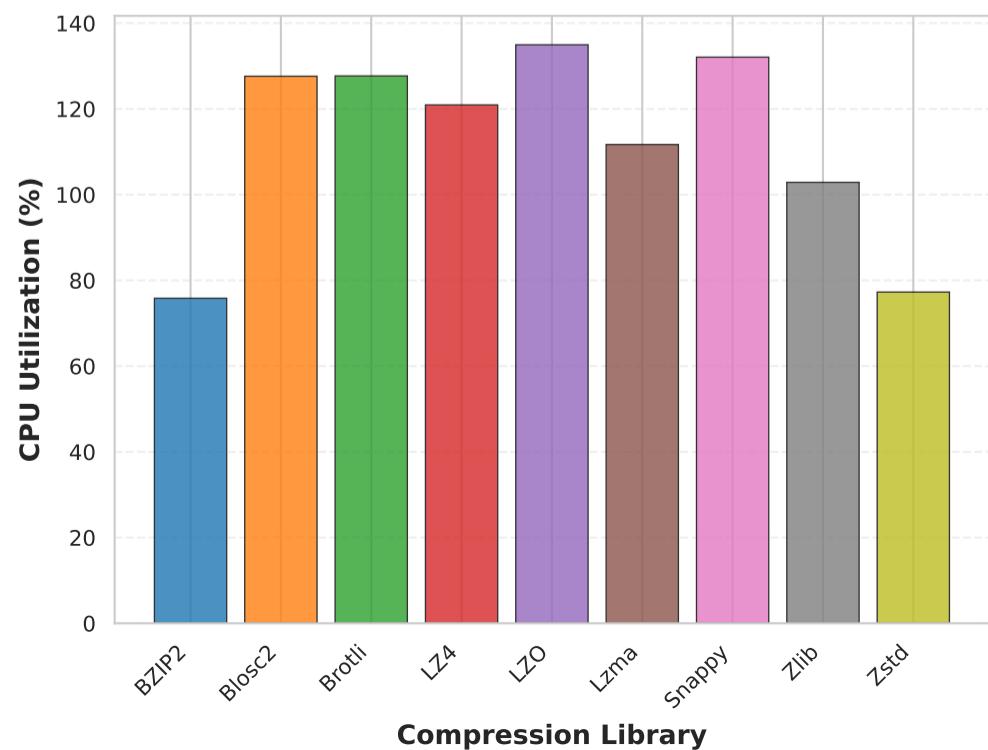
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

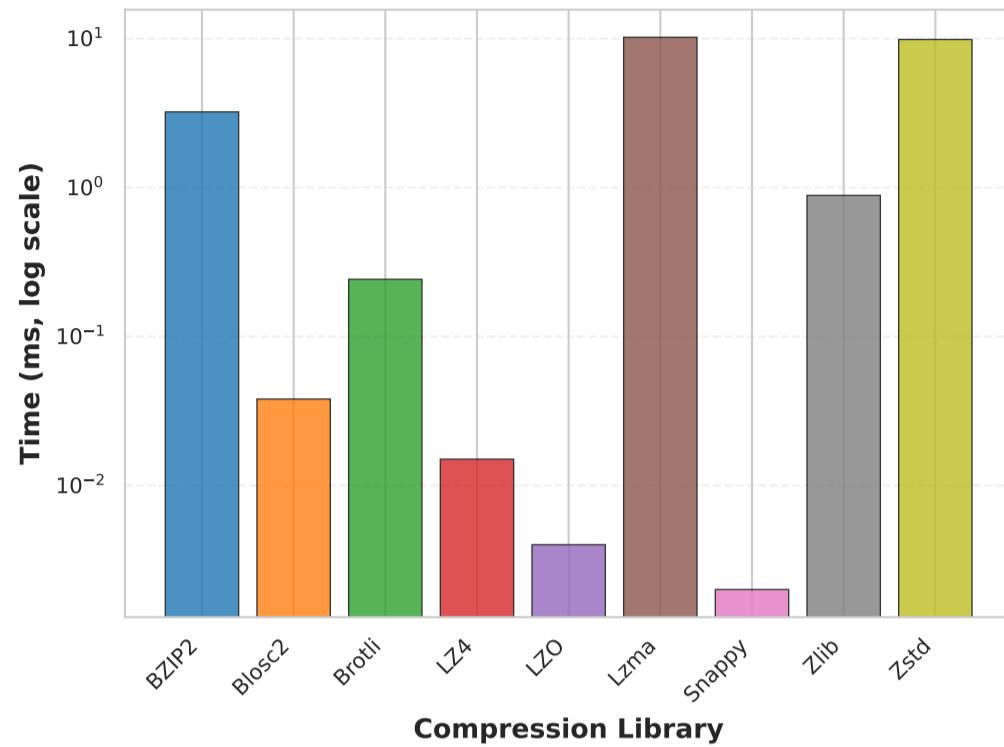


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

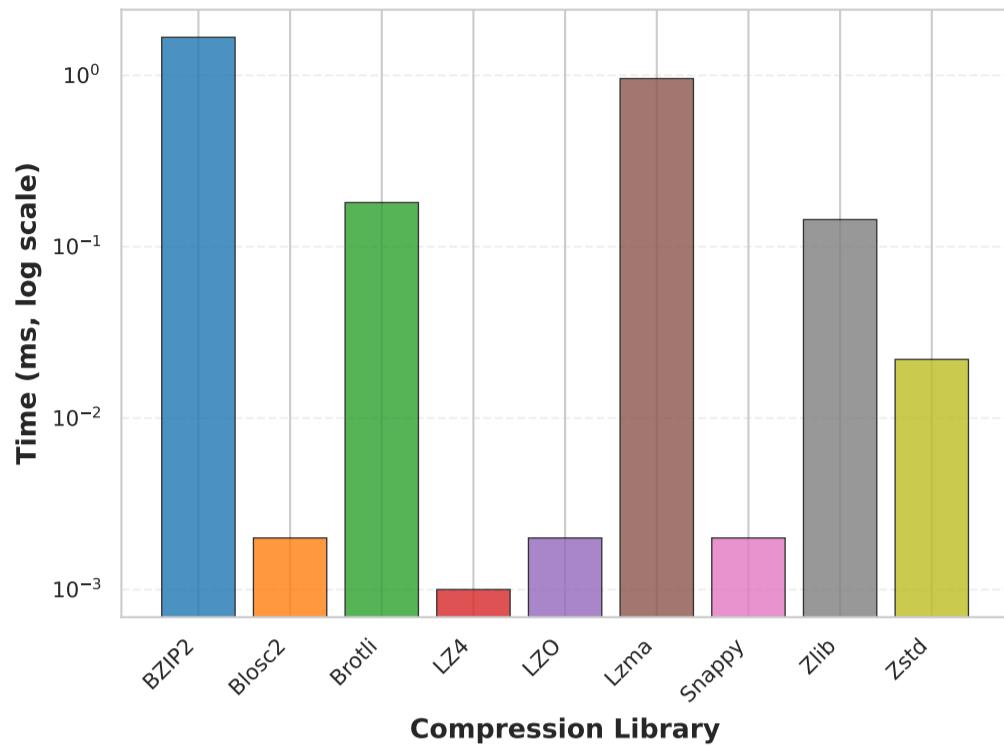
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Snappy | 1.00x | 0.0 | 131% |
| Brotli | 1.00x | 0.6 | 101% |
| Zstd | 1.00x | 3.1 | 87% |
| Zlib | 1.00x | 0.8 | 100% |
| Lzma | 1.00x | 10.9 | 100% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 74% |
| LZO | 1.00x | 0.0 | 124% |
| BZIP2 | 0.99x | 8.2 | 68% |

Parameter Study: uniform_31
Max value = 31 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

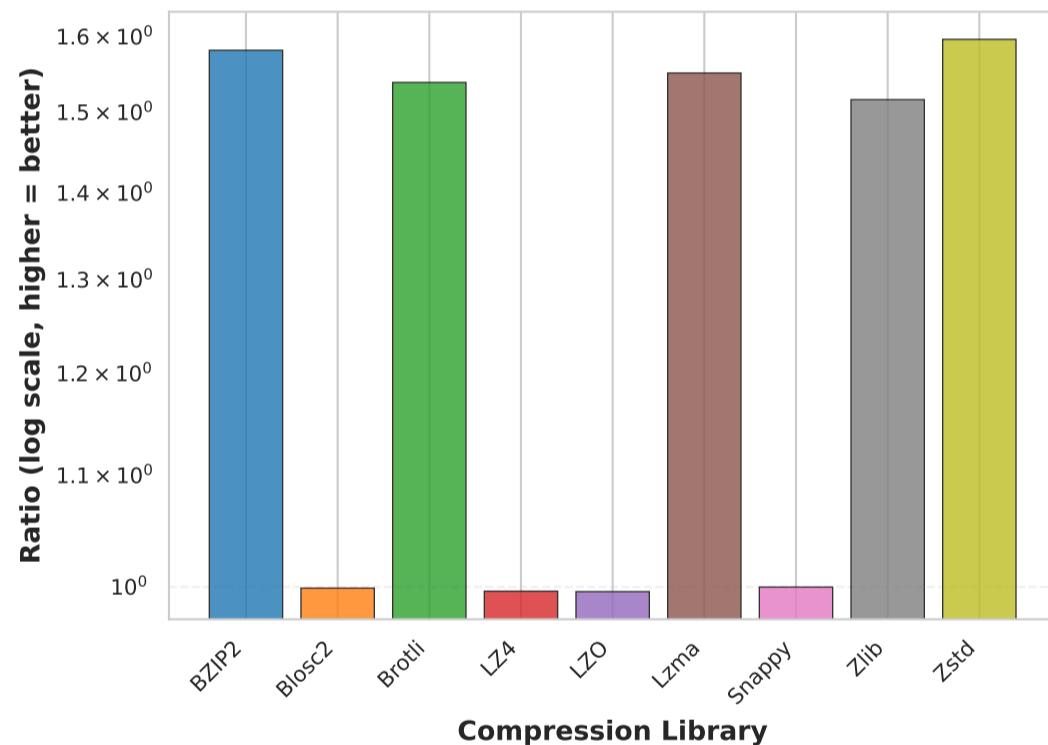
Compression Time



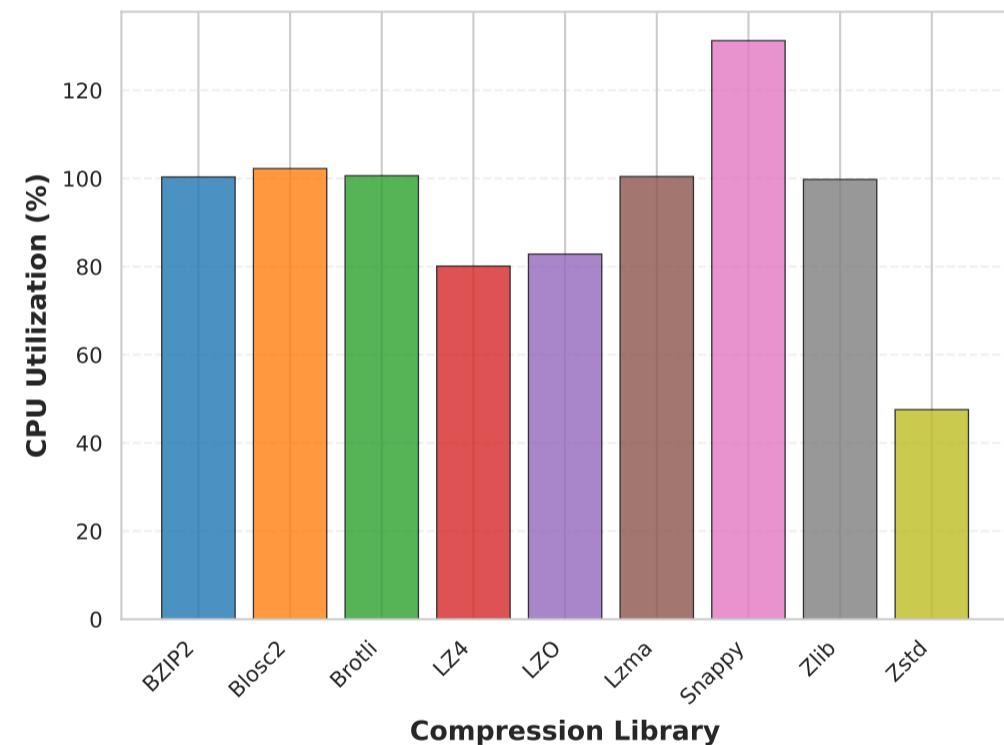
Decompression Time



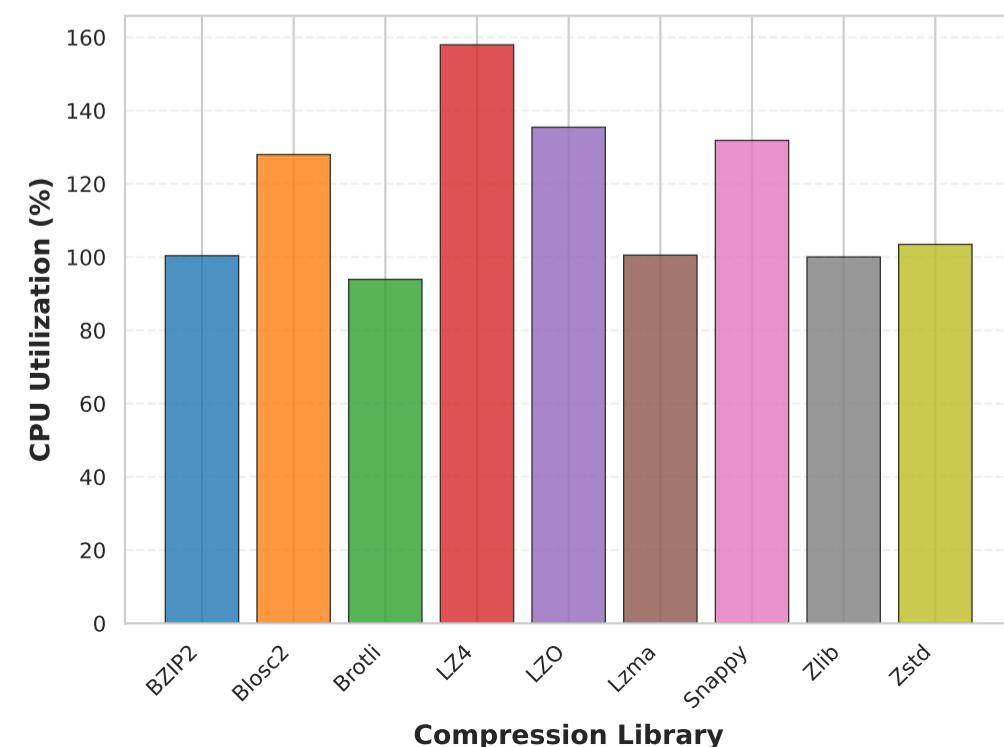
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

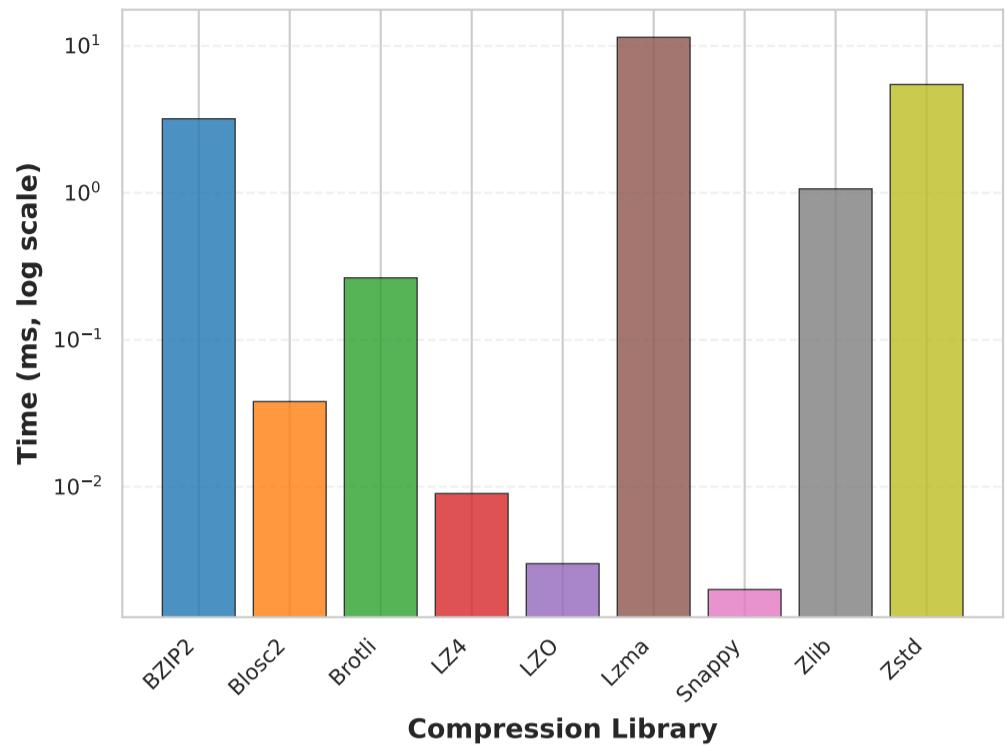


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

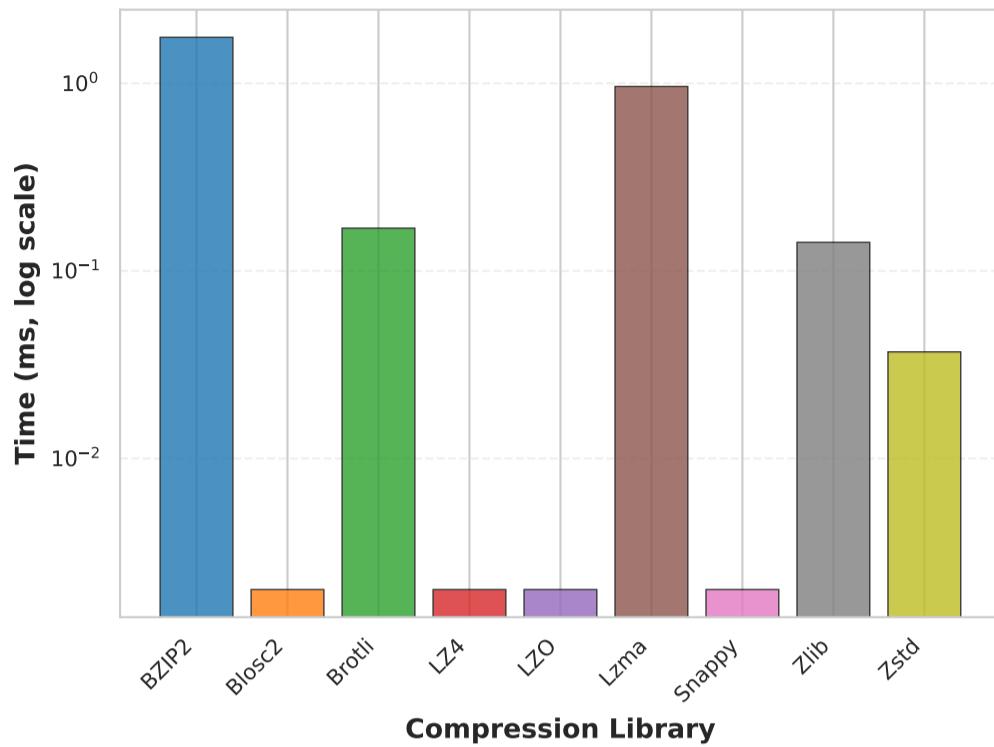
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.60x | 9.9 | 48% |
| BZIP2 | 1.58x | 3.2 | 100% |
| Lzma | 1.55x | 10.2 | 100% |
| Brotli | 1.54x | 0.2 | 101% |
| Zlib | 1.52x | 0.9 | 100% |
| Snappy | 1.00x | 0.0 | 131% |
| Blosc2 | 1.00x | 0.0 | 102% |
| LZ4 | 1.00x | 0.0 | 80% |
| LZO | 1.00x | 0.0 | 83% |

Parameter Study: uniform_63
Max value = 63 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

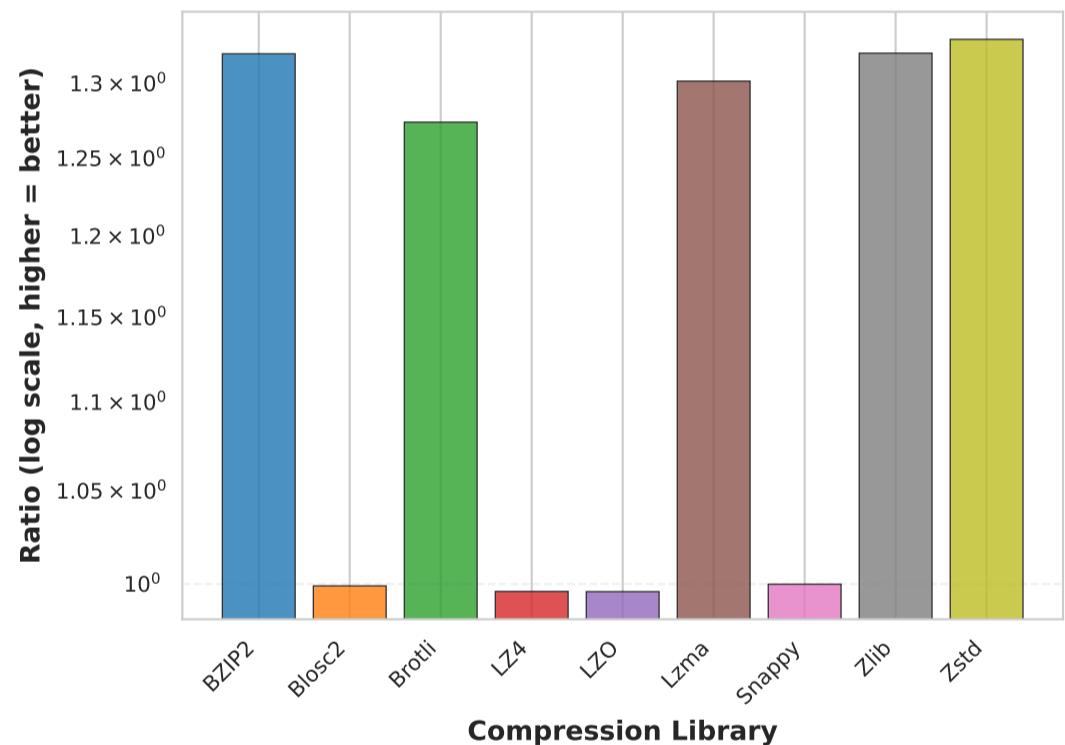
Compression Time



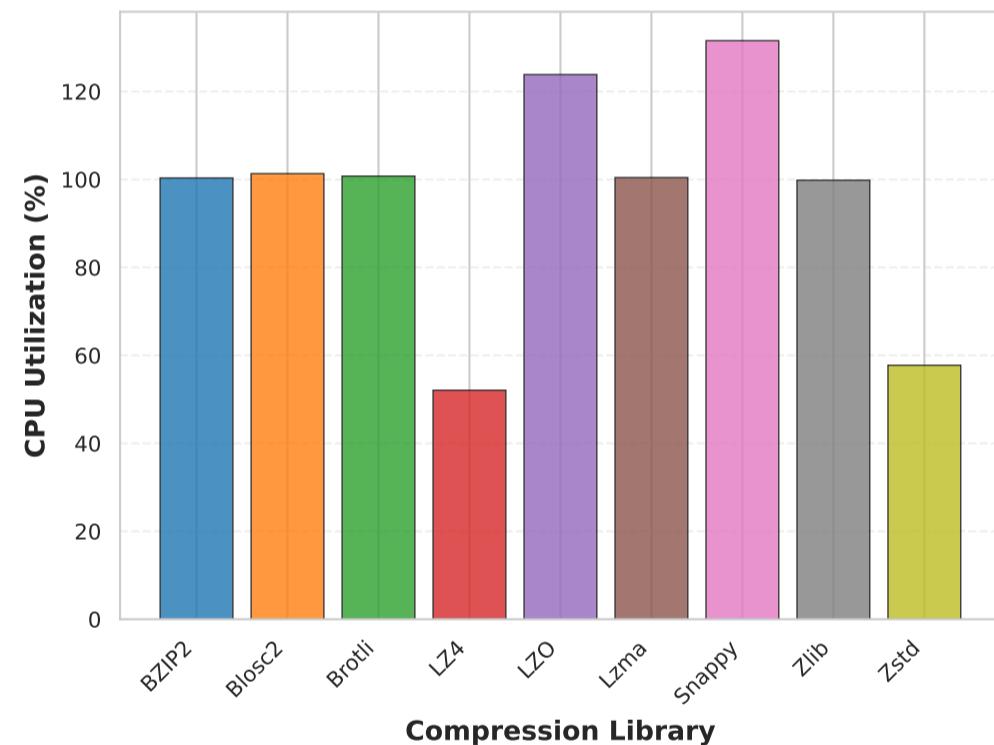
Decompression Time



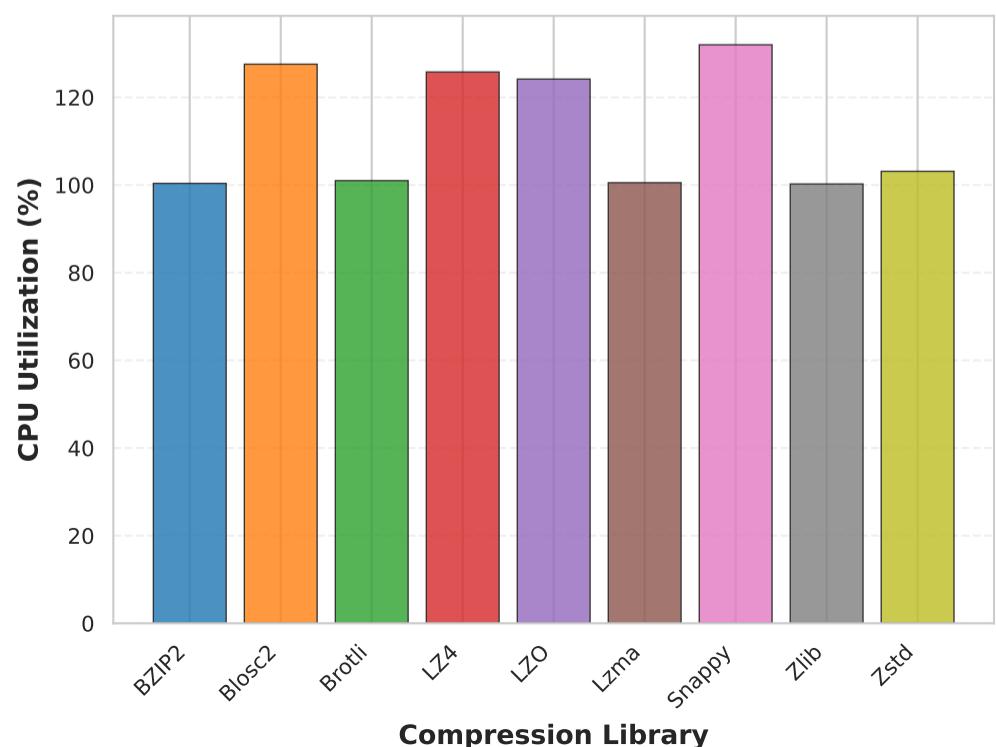
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

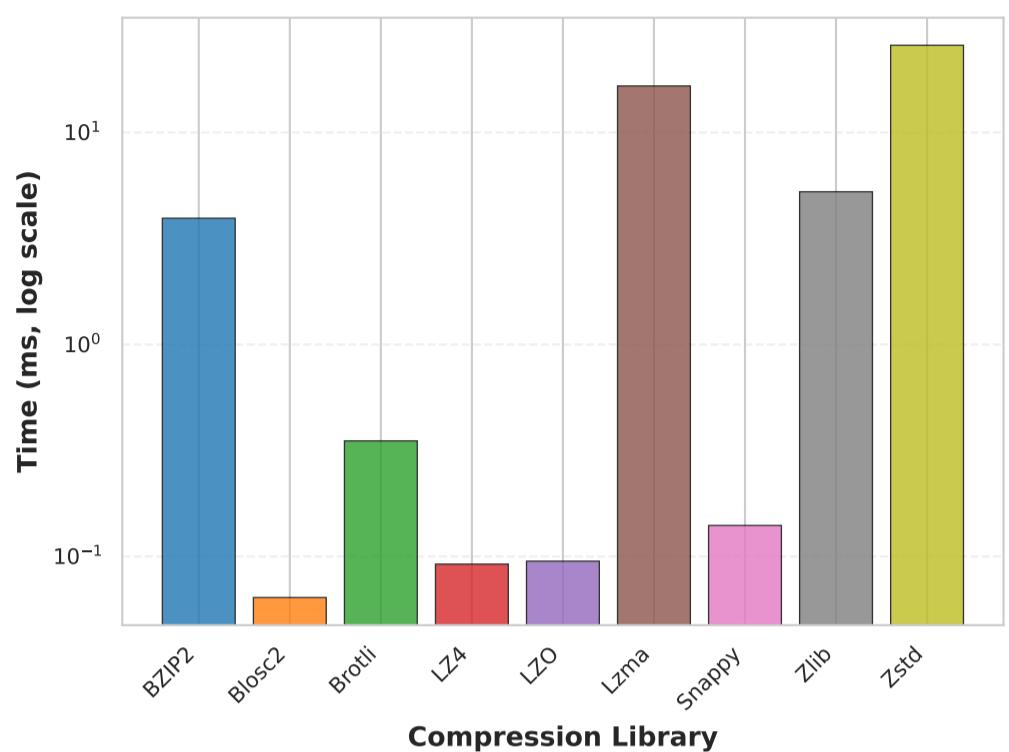


**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

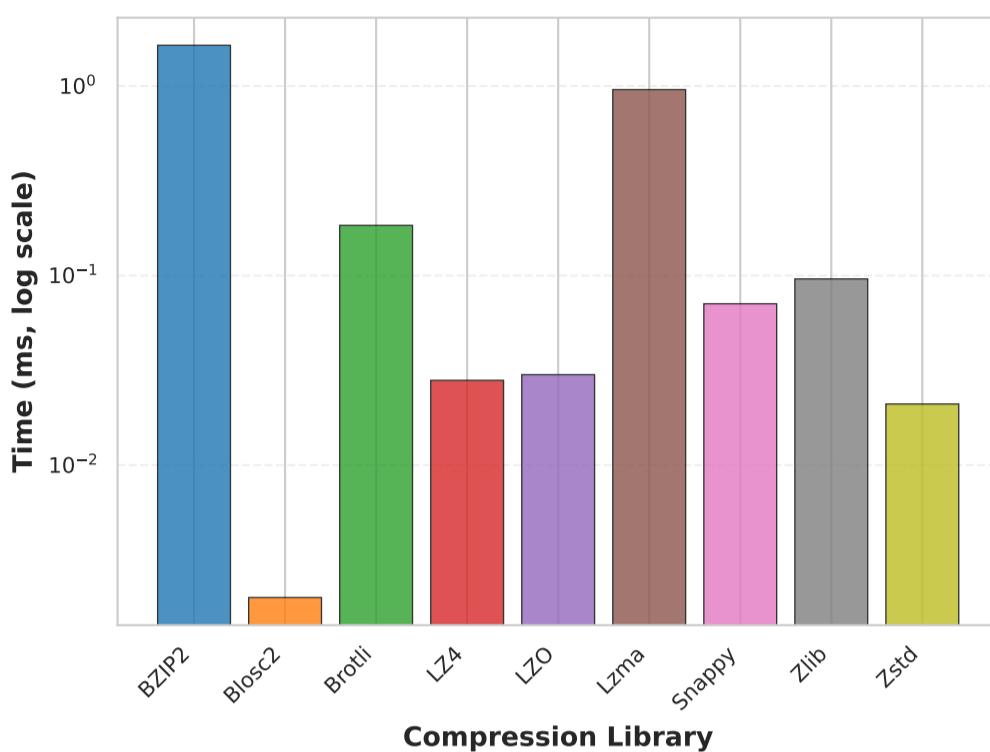
| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 1.33x | 5.5 | 58% |
| Zlib | 1.32x | 1.1 | 100% |
| BZIP2 | 1.32x | 3.2 | 100% |
| Lzma | 1.30x | 11.4 | 100% |
| Brotli | 1.27x | 0.3 | 101% |
| Snappy | 1.00x | 0.0 | 132% |
| Blosc2 | 1.00x | 0.0 | 101% |
| LZ4 | 1.00x | 0.0 | 52% |
| LZO | 1.00x | 0.0 | 124% |

Parameter Study: uniform_7
Max value = 7 (controls entropy/bit usage)
Char Data Type, 64KB Chunk Size

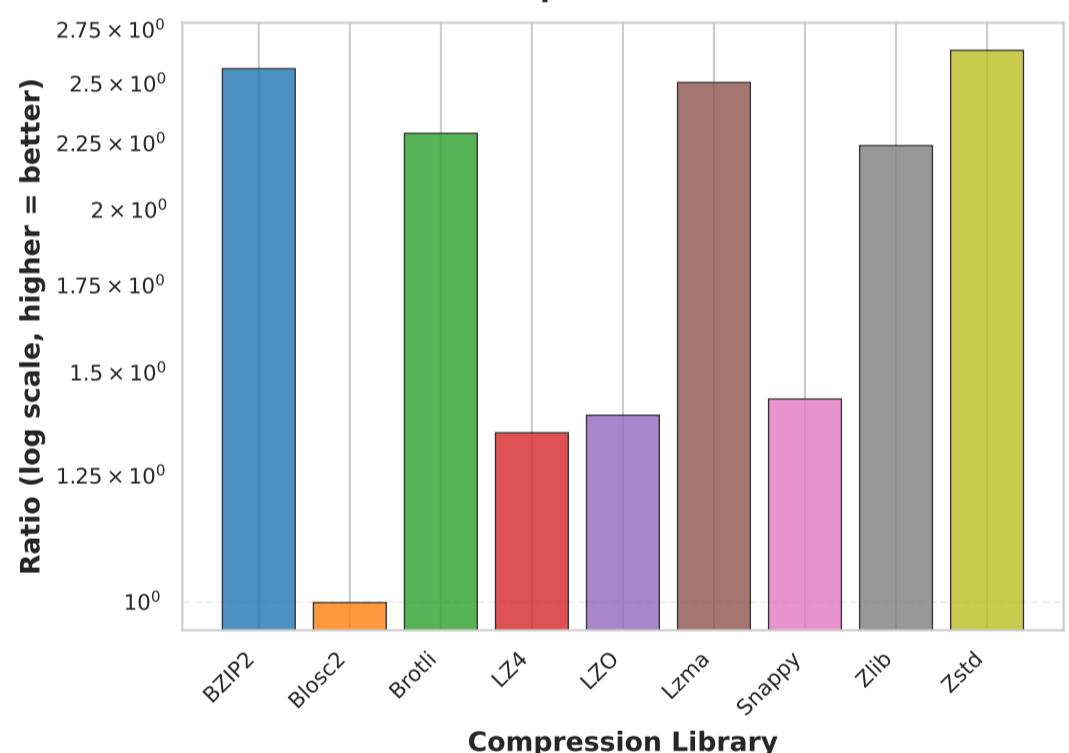
Compression Time



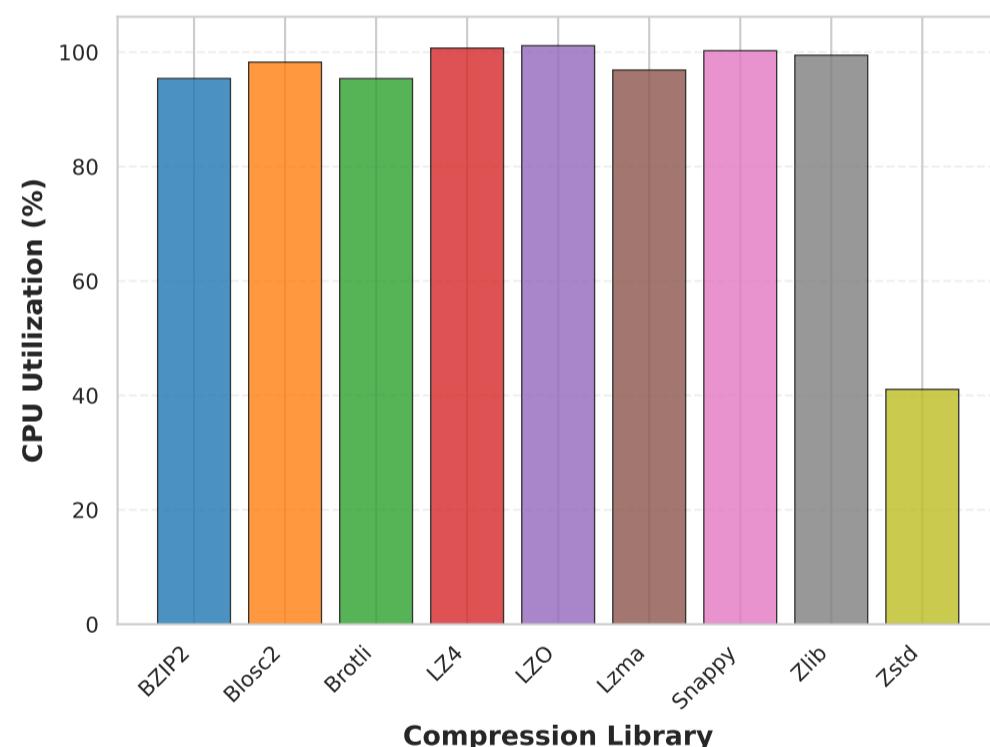
Decompression Time



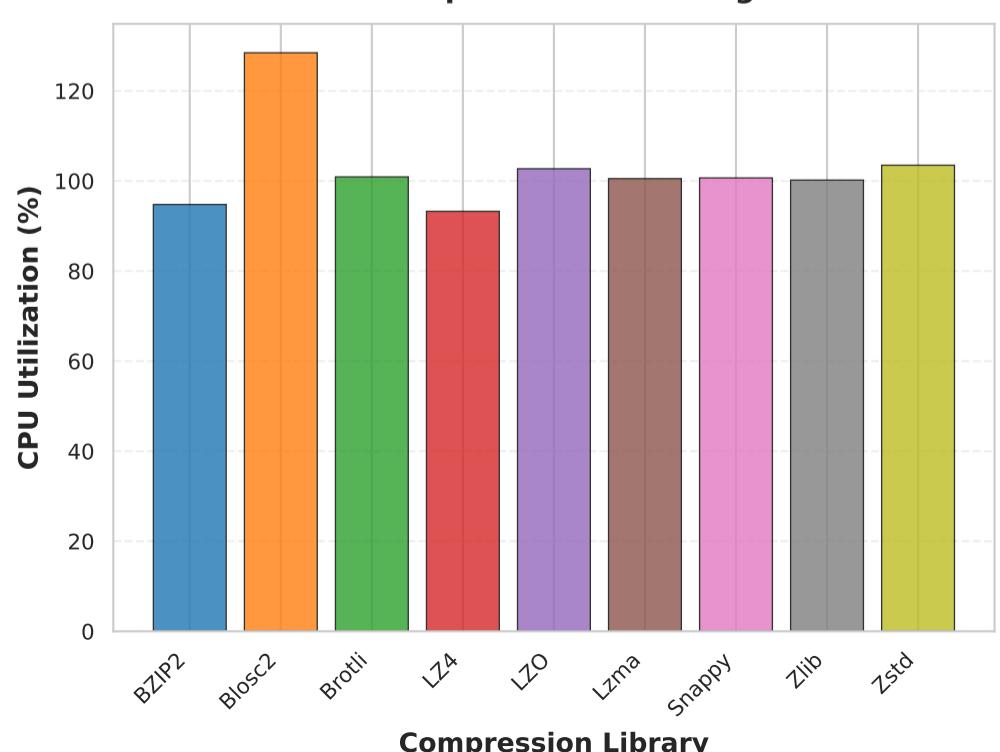
Compression Ratio



Compression CPU Usage



Decompression CPU Usage



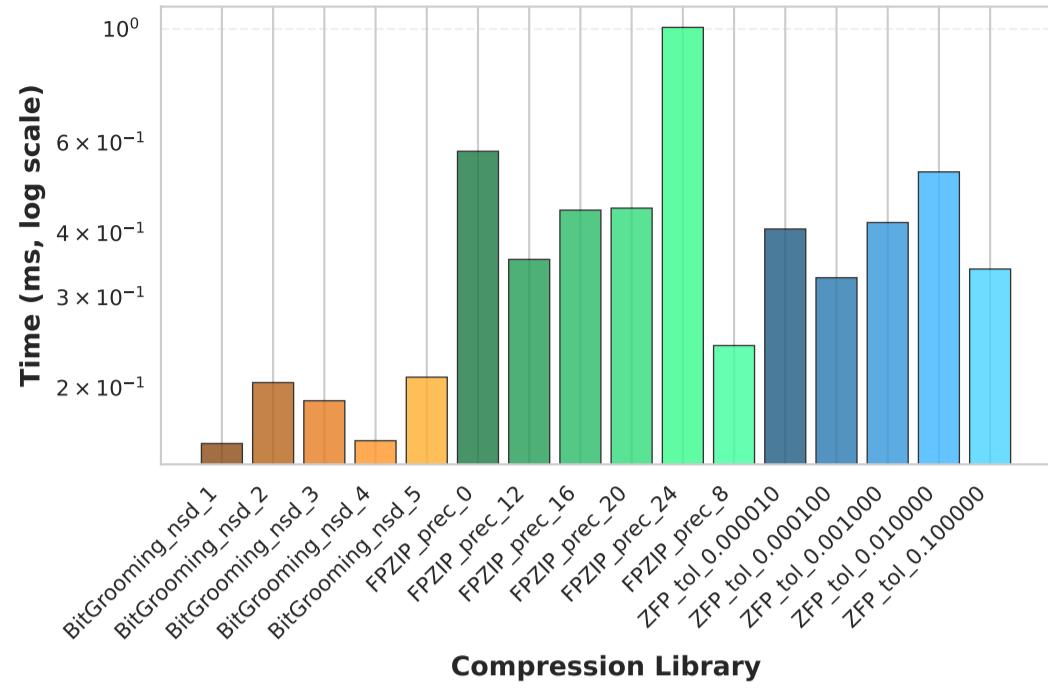
**Performance Summary (64KB chunks)
Sorted by Compression Ratio**

| Library | Ratio | Time (ms) | CPU% |
|---------|-------|-----------|------|
| Zstd | 2.65x | 25.8 | 41% |
| BZIP2 | 2.57x | 3.9 | 95% |
| Lzma | 2.51x | 16.6 | 97% |
| Brotli | 2.29x | 0.4 | 95% |
| Zlib | 2.24x | 5.3 | 99% |
| Snappy | 1.43x | 0.1 | 100% |
| LZO | 1.39x | 0.1 | 101% |
| LZ4 | 1.35x | 0.1 | 101% |
| Blosc2 | 1.00x | 0.1 | 98% |

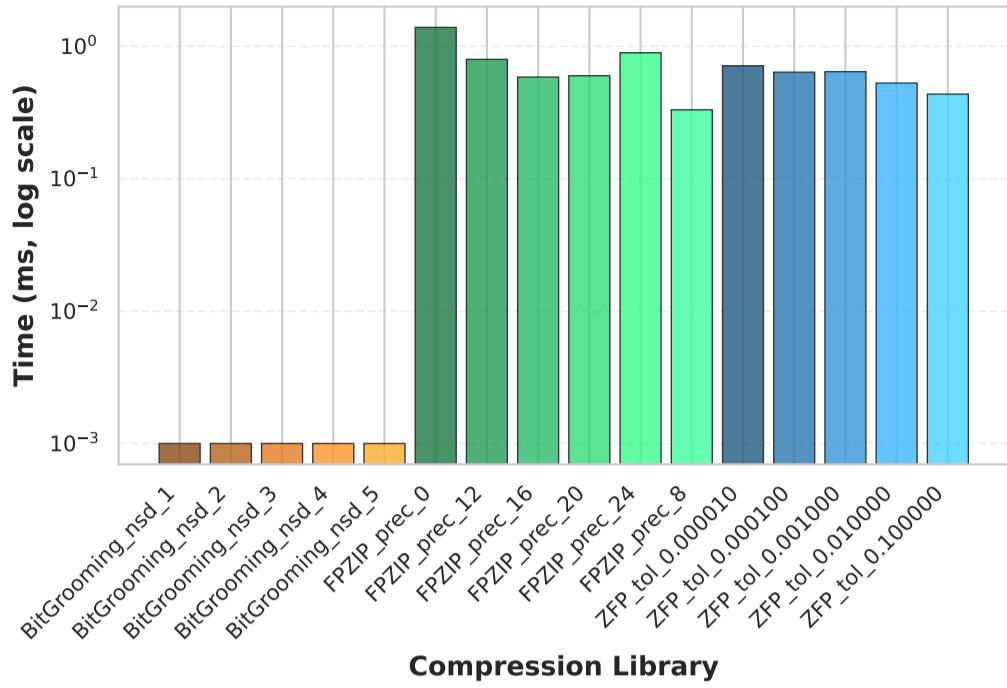
Parameter Study: noisy_float

Float Data Type, 64KB Chunk Size

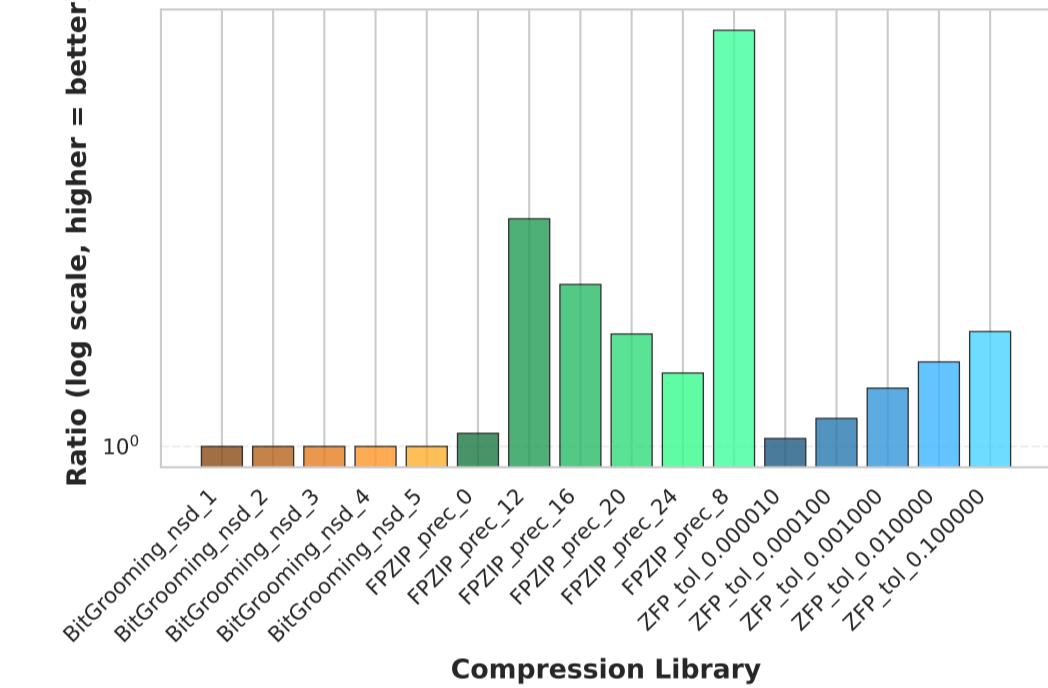
Compression Time



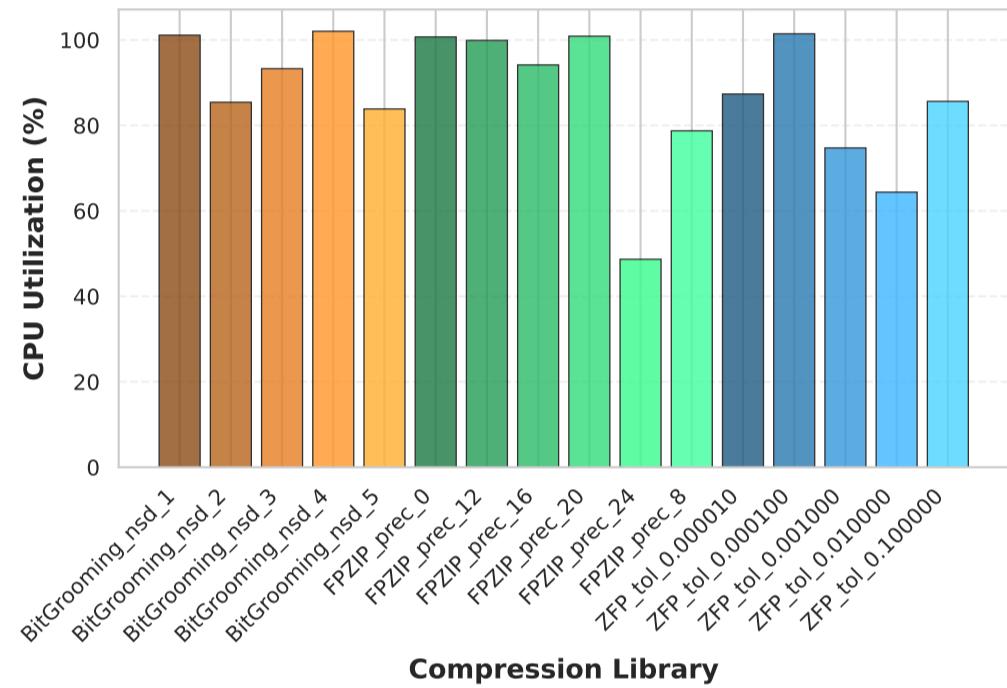
Decompression Time



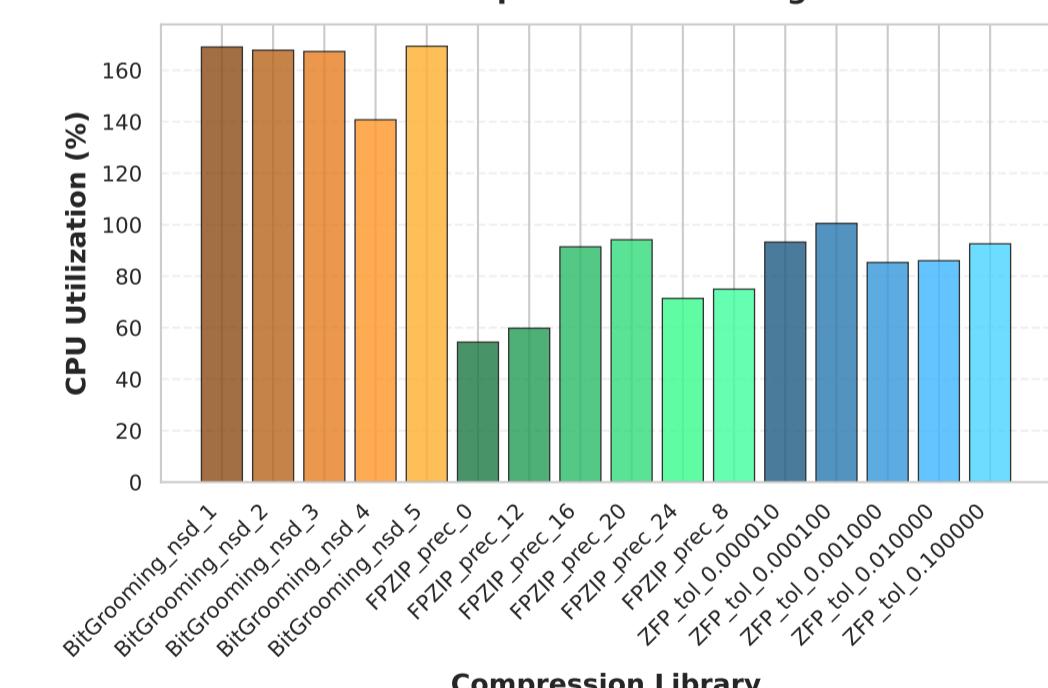
Compression Ratio



Compression CPU Usage



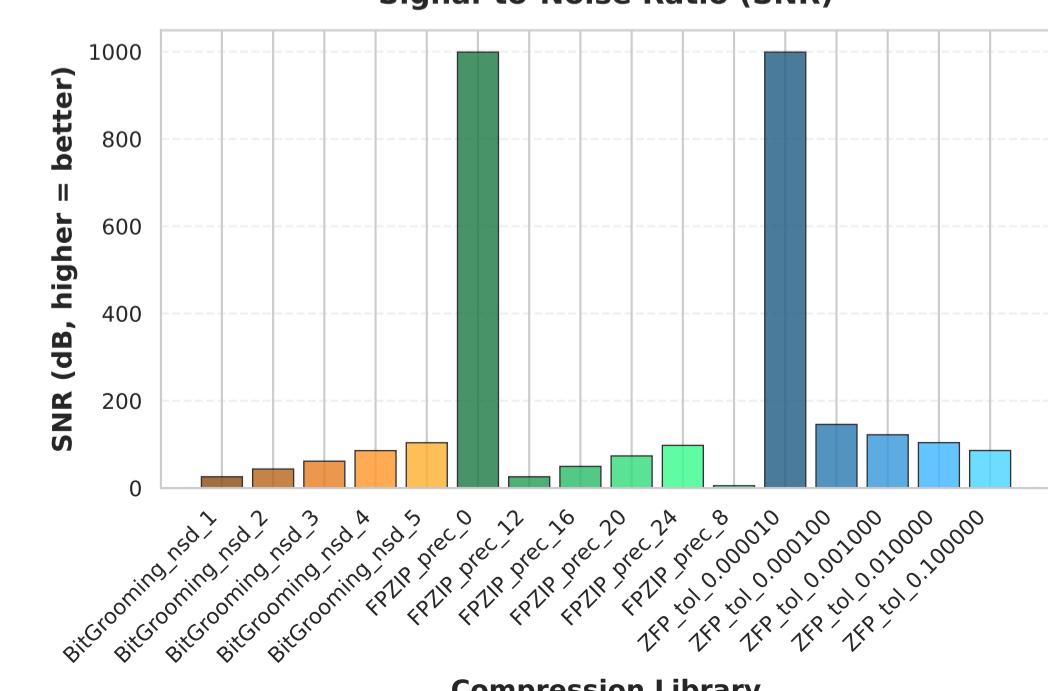
Decompression CPU Usage



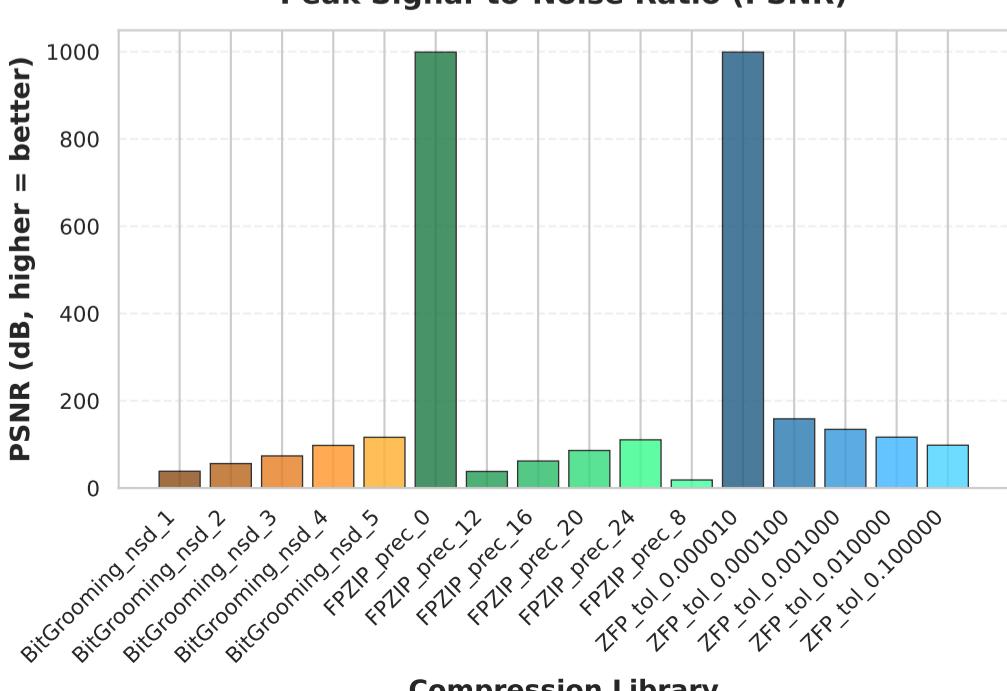
Performance Summary (64KB chunks)

| Library | Ratio | Sorted by Compression Ratio | |
|------------------|-------|-----------------------------|------|
| | | Time (ms) | CPU% |
| FPZIP_prec_8 | 8.54x | 0.2 | 79% |
| FPZIP_prec_12 | 3.23x | 0.4 | 100% |
| FPZIP_prec_16 | 2.30x | 0.4 | 94% |
| ZFP_tol_0.100000 | 1.81x | 0.3 | 86% |
| FPZIP_prec_20 | 1.79x | 0.4 | 101% |
| ZFP_tol_0.010000 | 1.55x | 0.5 | 64% |
| FPZIP_prec_24 | 1.46x | 1.0 | 49% |
| ZFP_tol_0.001000 | 1.35x | 0.4 | 75% |
| ZFP_tol_0.000100 | 1.16x | 0.3 | 101% |

Signal-to-Noise Ratio (SNR)

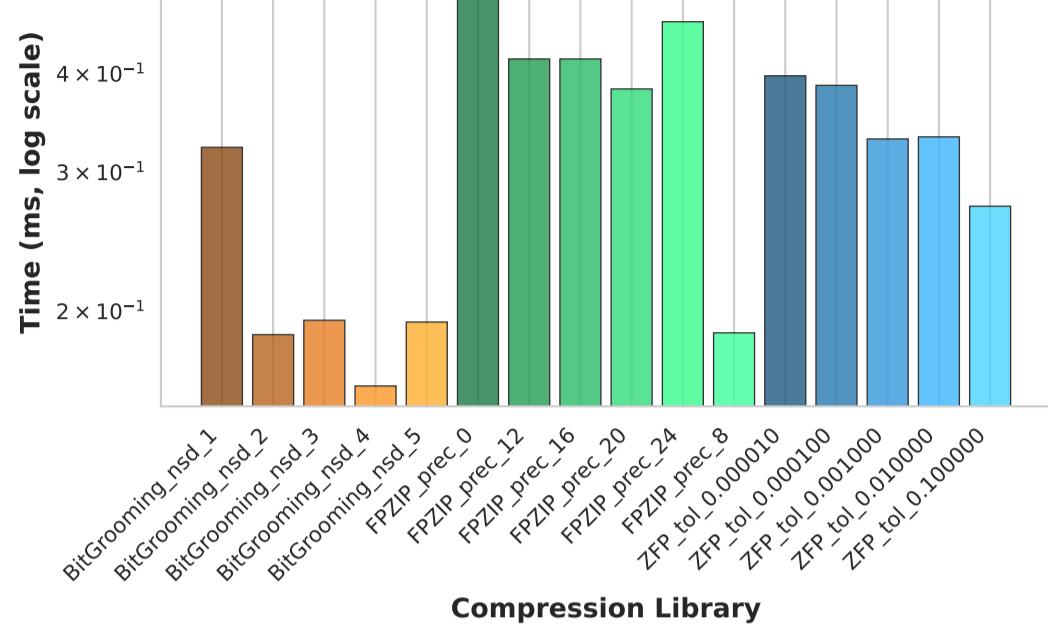


Peak Signal-to-Noise Ratio (PSNR)

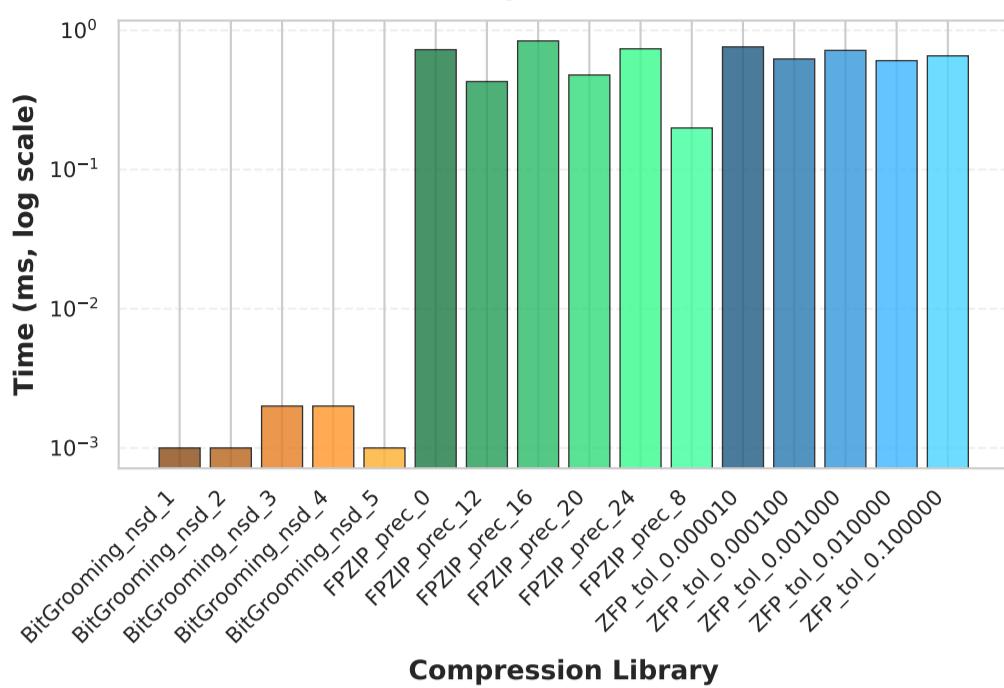


Parameter Study: normal_float
Float data: Normal distribution ($\mu=500, \sigma=200$)
Float Data Type, 64KB Chunk Size

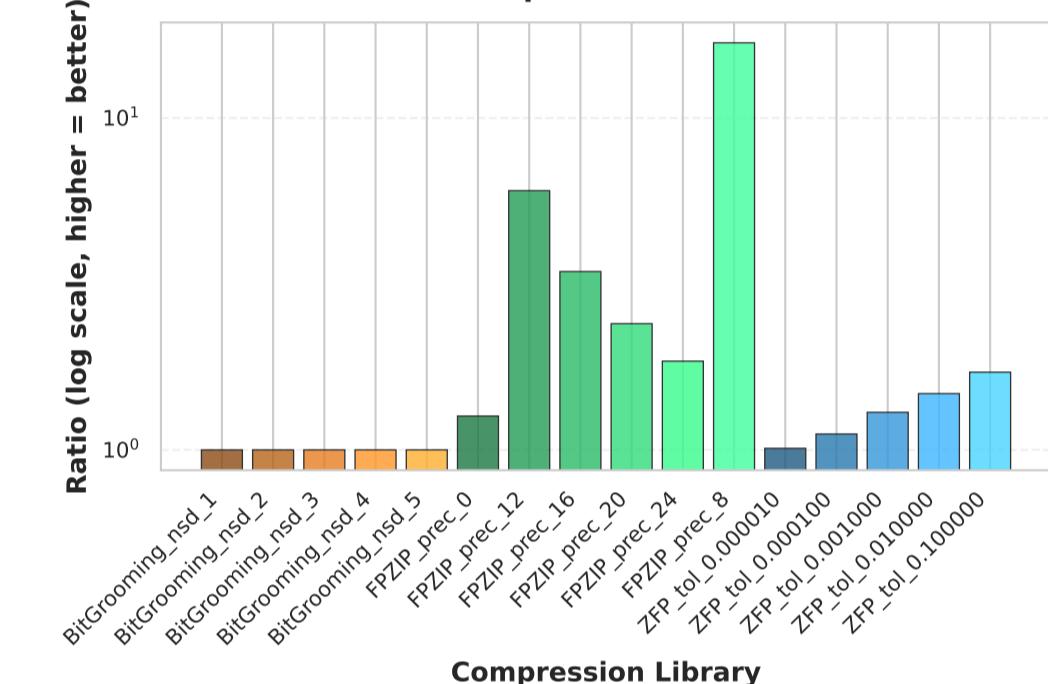
Compression Time



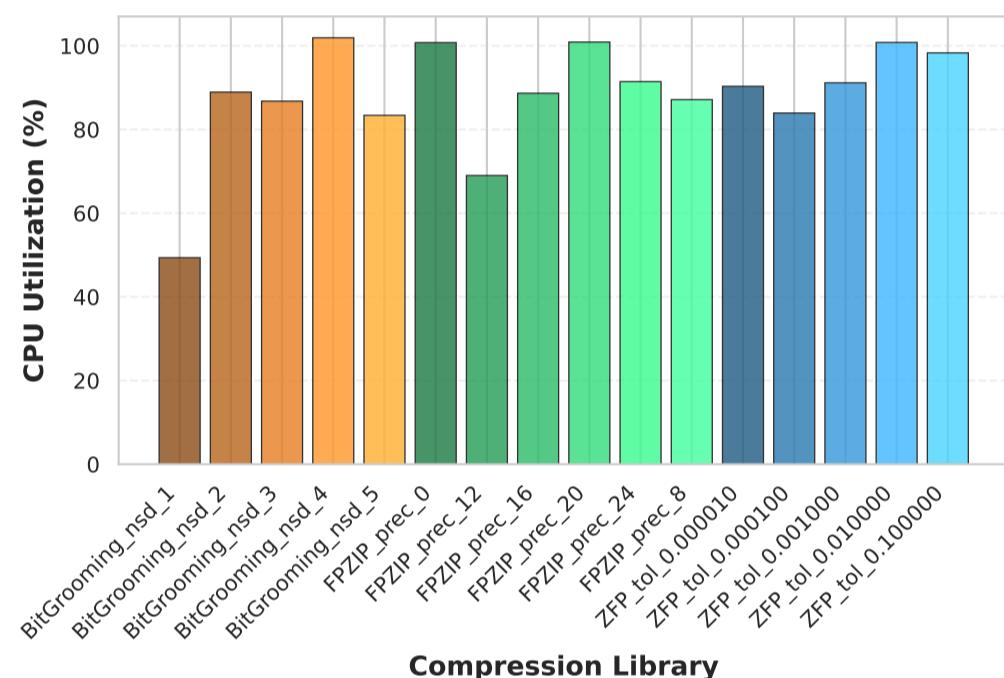
Decompression Time



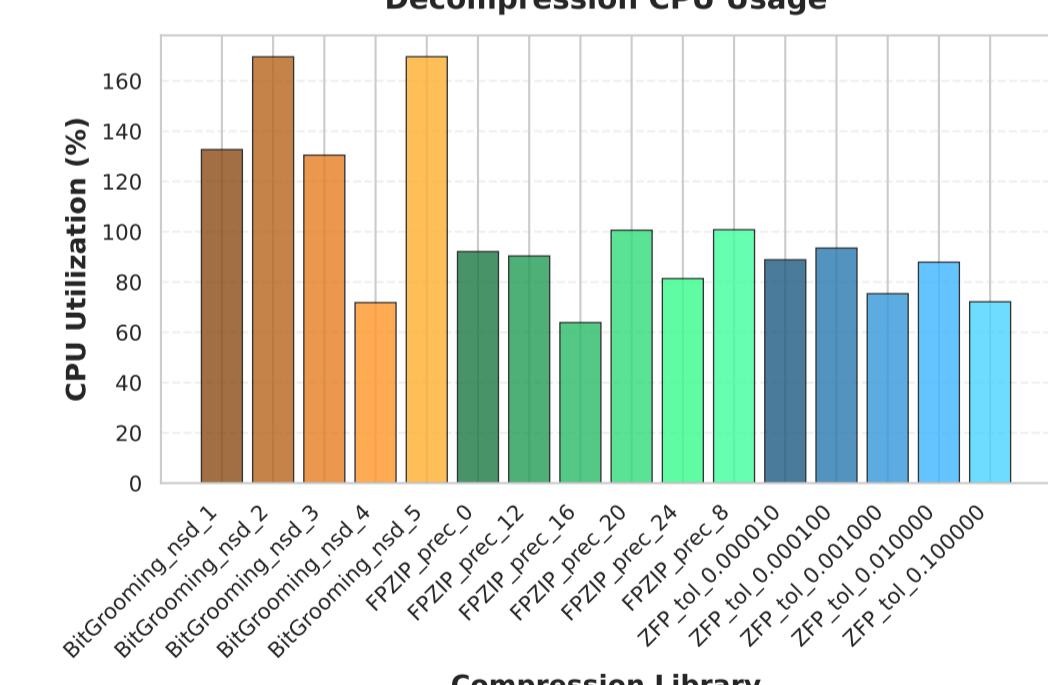
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

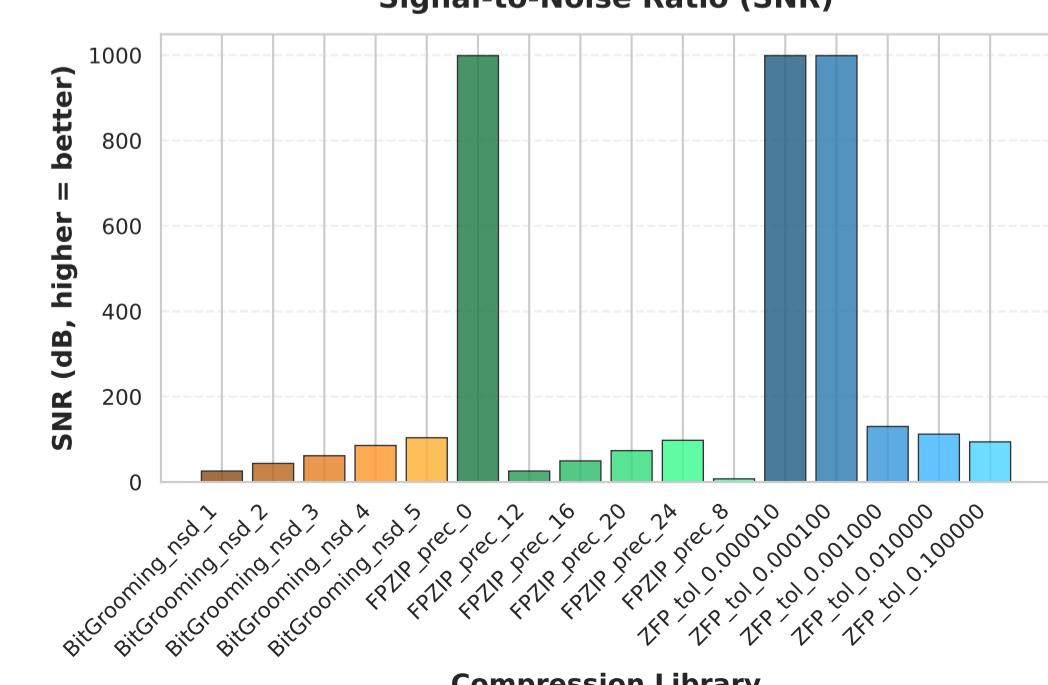


Performance Summary (64KB chunks)

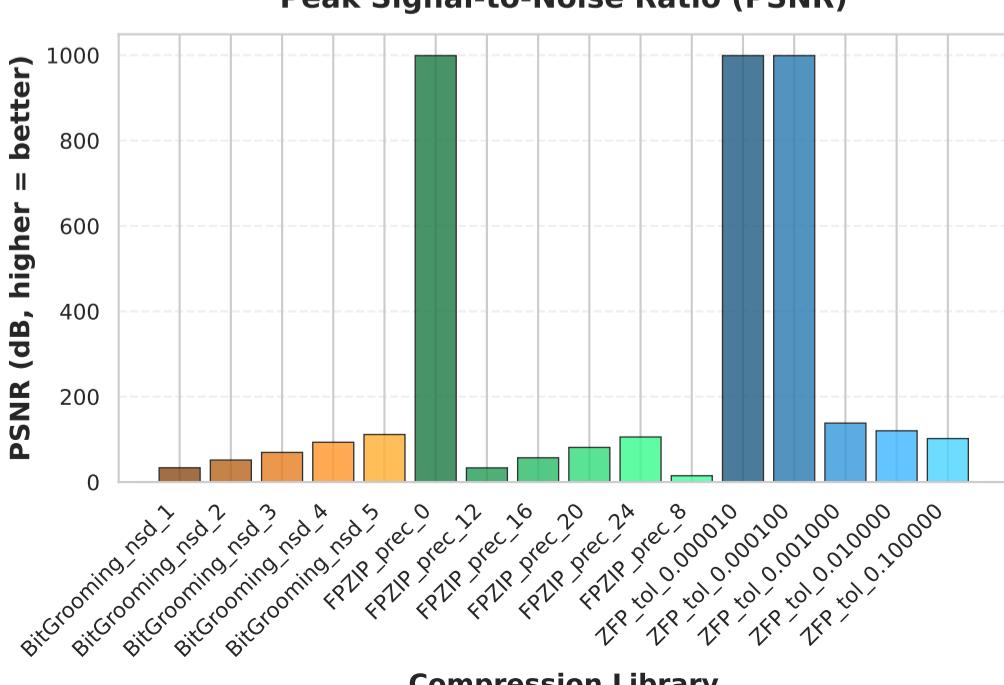
Sorted by Compression Ratio

| Library | Ratio | Time (ms) | CPU% |
|------------------|--------|-----------|------|
| FPZIP_prec_8 | 16.86x | 0.2 | 87% |
| FPZIP_prec_12 | 6.04x | 0.4 | 69% |
| FPZIP_prec_16 | 3.45x | 0.4 | 89% |
| FPZIP_prec_20 | 2.40x | 0.4 | 101% |
| FPZIP_prec_24 | 1.85x | 0.5 | 91% |
| ZFP_tol_0.100000 | 1.71x | 0.3 | 98% |
| ZFP_tol_0.010000 | 1.48x | 0.3 | 101% |
| ZFP_tol_0.001000 | 1.30x | 0.3 | 91% |
| FPZIP_prec_0 | 1.26x | 0.5 | 101% |

Signal-to-Noise Ratio (SNR)

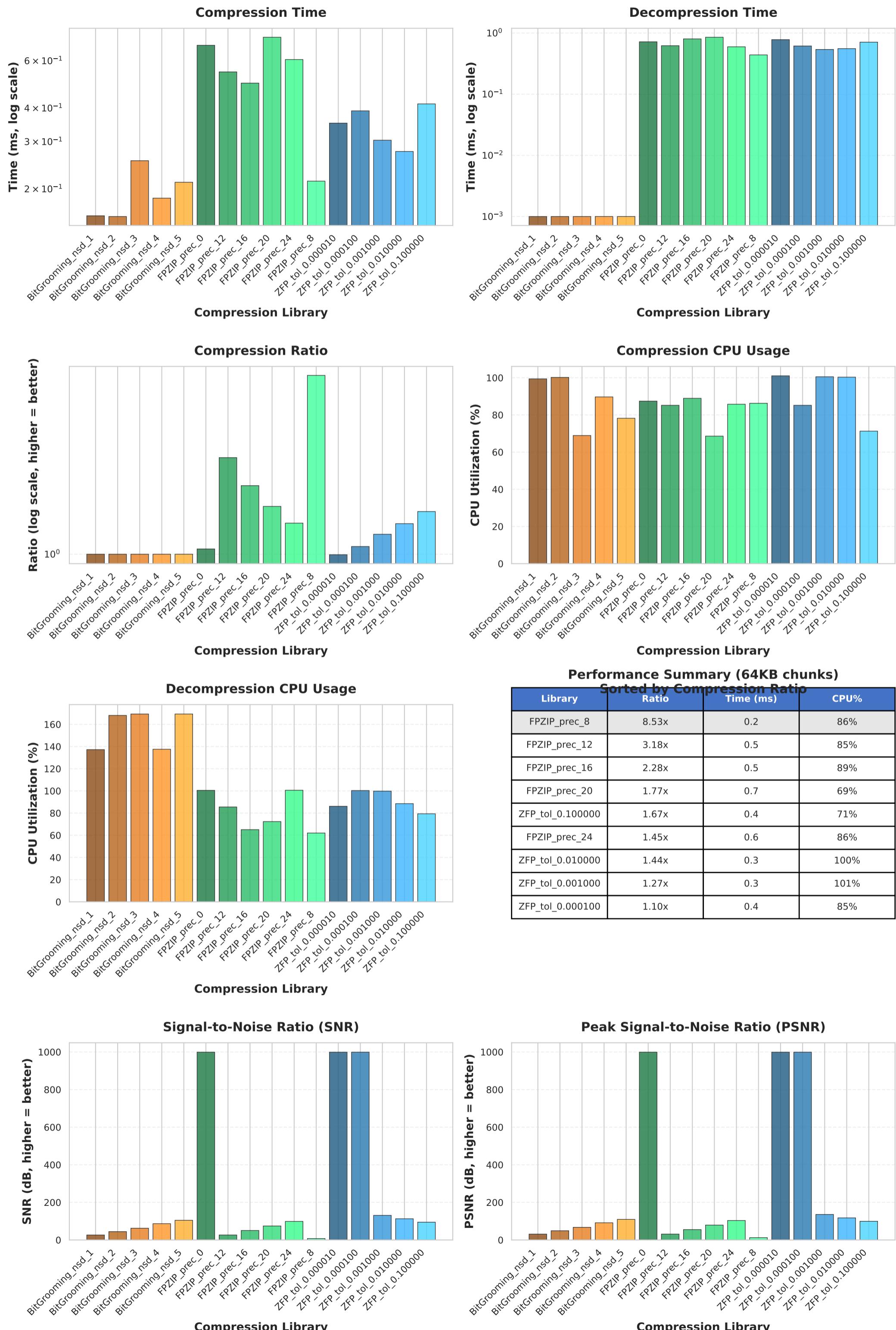


Peak Signal-to-Noise Ratio (PSNR)



Parameter Study: random_float

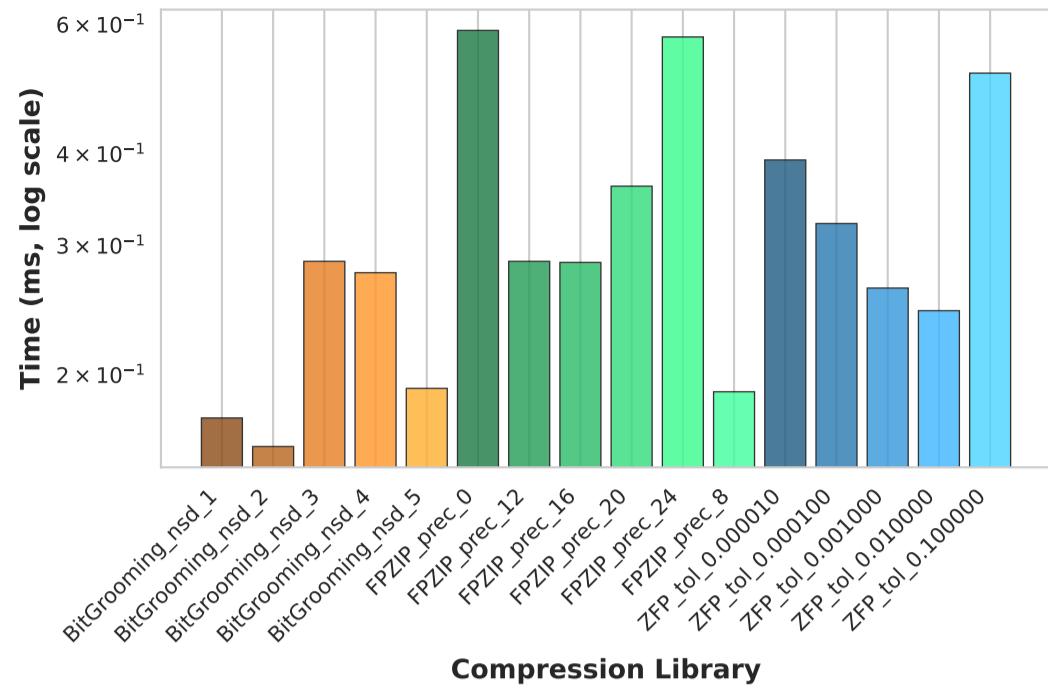
Float Data Type, 64KB Chunk Size



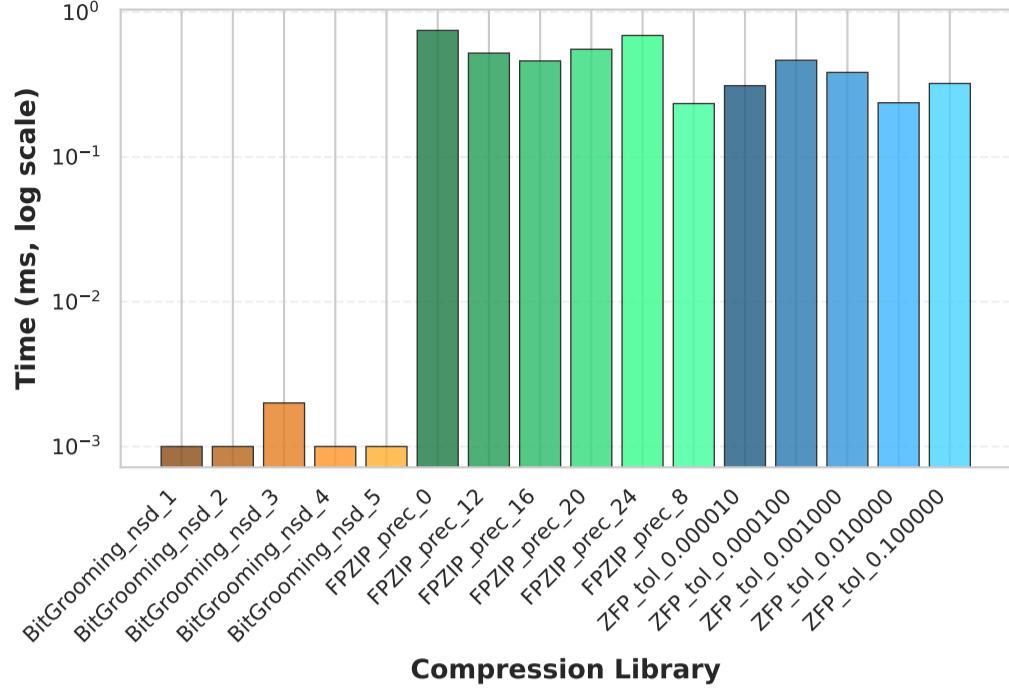
Parameter Study: repeating_float

Float Data Type, 64KB Chunk Size

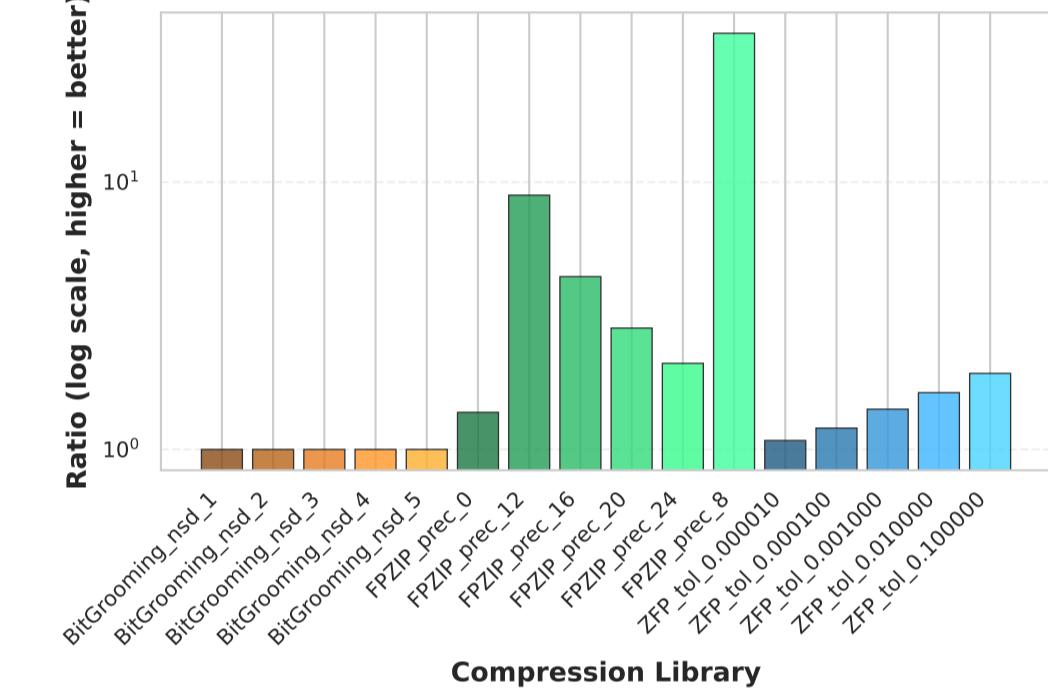
Compression Time



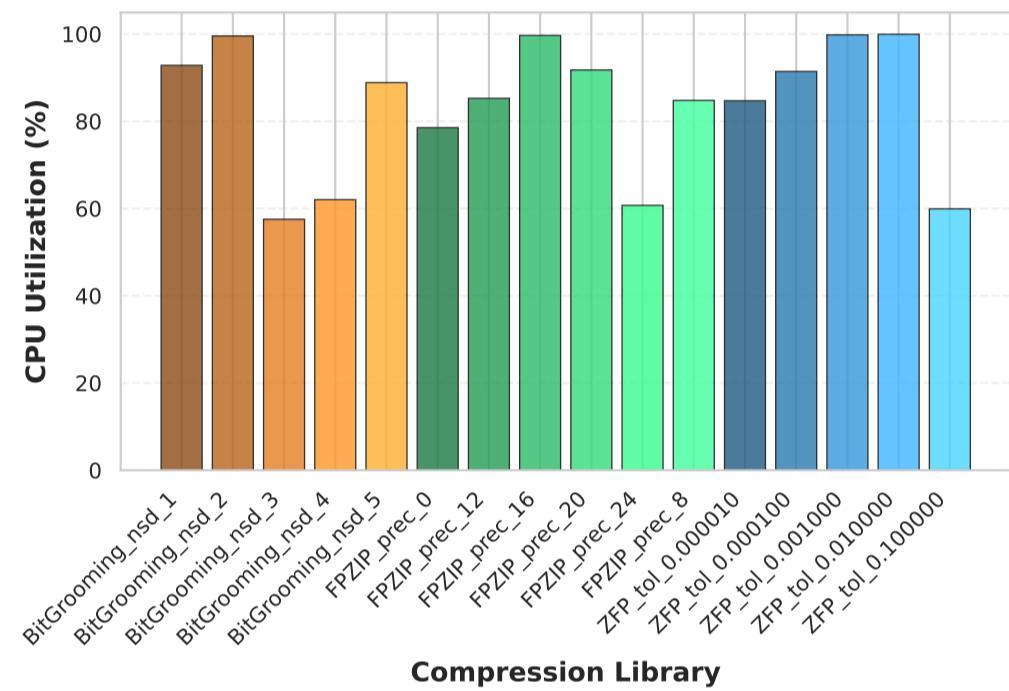
Decompression Time



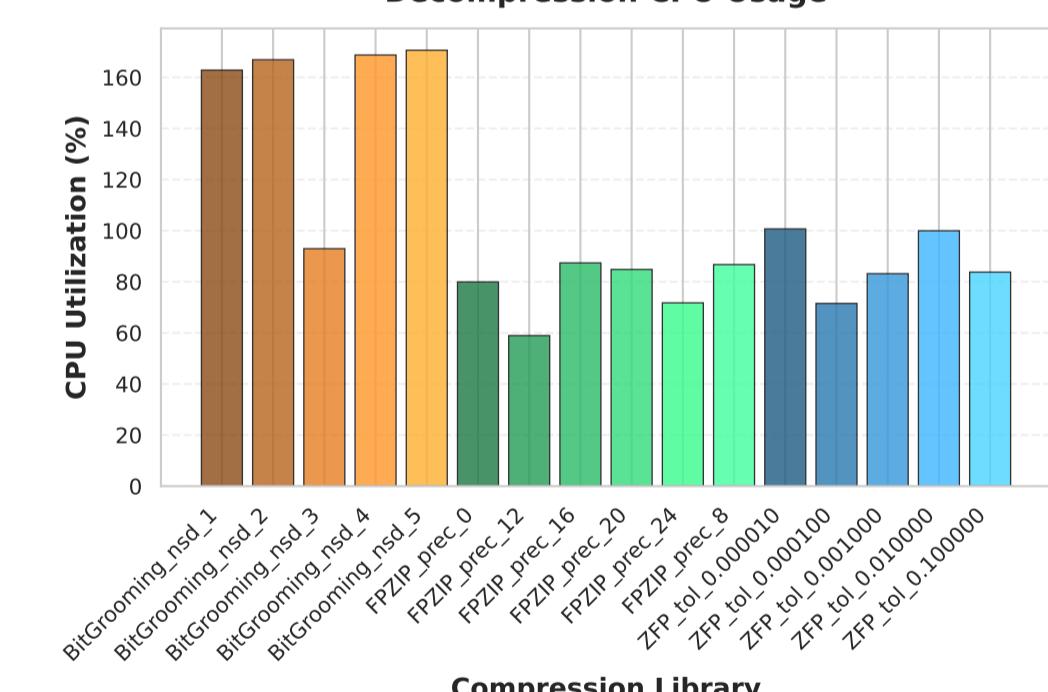
Compression Ratio



Compression CPU Usage



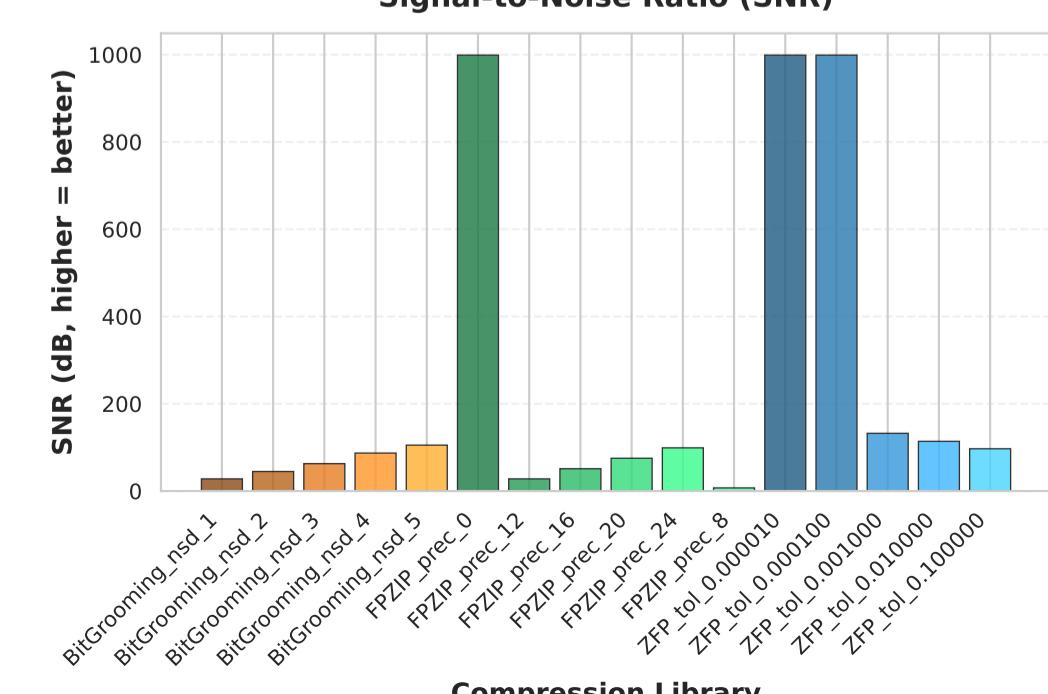
Decompression CPU Usage



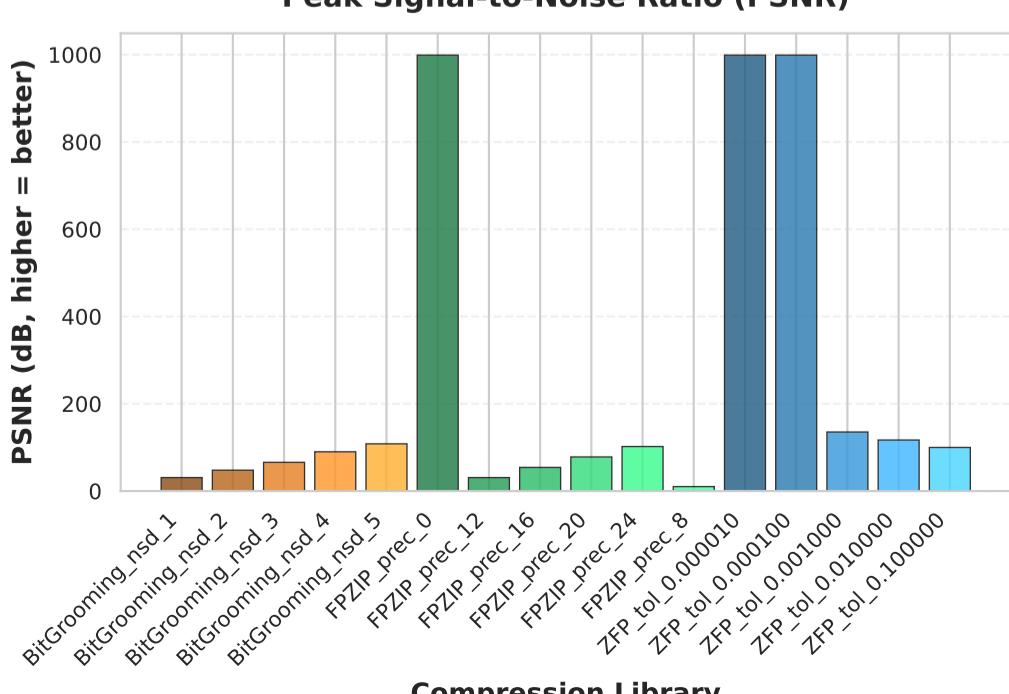
Performance Summary (64KB chunks)

| Library | Ratio | Sorted by Compression Ratio | |
|------------------|--------|-----------------------------|------|
| | | Time (ms) | CPU% |
| FPZIP_prec_8 | 36.05x | 0.2 | 85% |
| FPZIP_prec_12 | 8.94x | 0.3 | 85% |
| FPZIP_prec_16 | 4.43x | 0.3 | 100% |
| FPZIP_prec_20 | 2.85x | 0.4 | 92% |
| FPZIP_prec_24 | 2.10x | 0.6 | 61% |
| ZFP_tol_0.100000 | 1.93x | 0.5 | 60% |
| ZFP_tol_0.010000 | 1.63x | 0.2 | 100% |
| ZFP_tol_0.001000 | 1.41x | 0.3 | 100% |
| FPZIP_prec_0 | 1.38x | 0.6 | 79% |

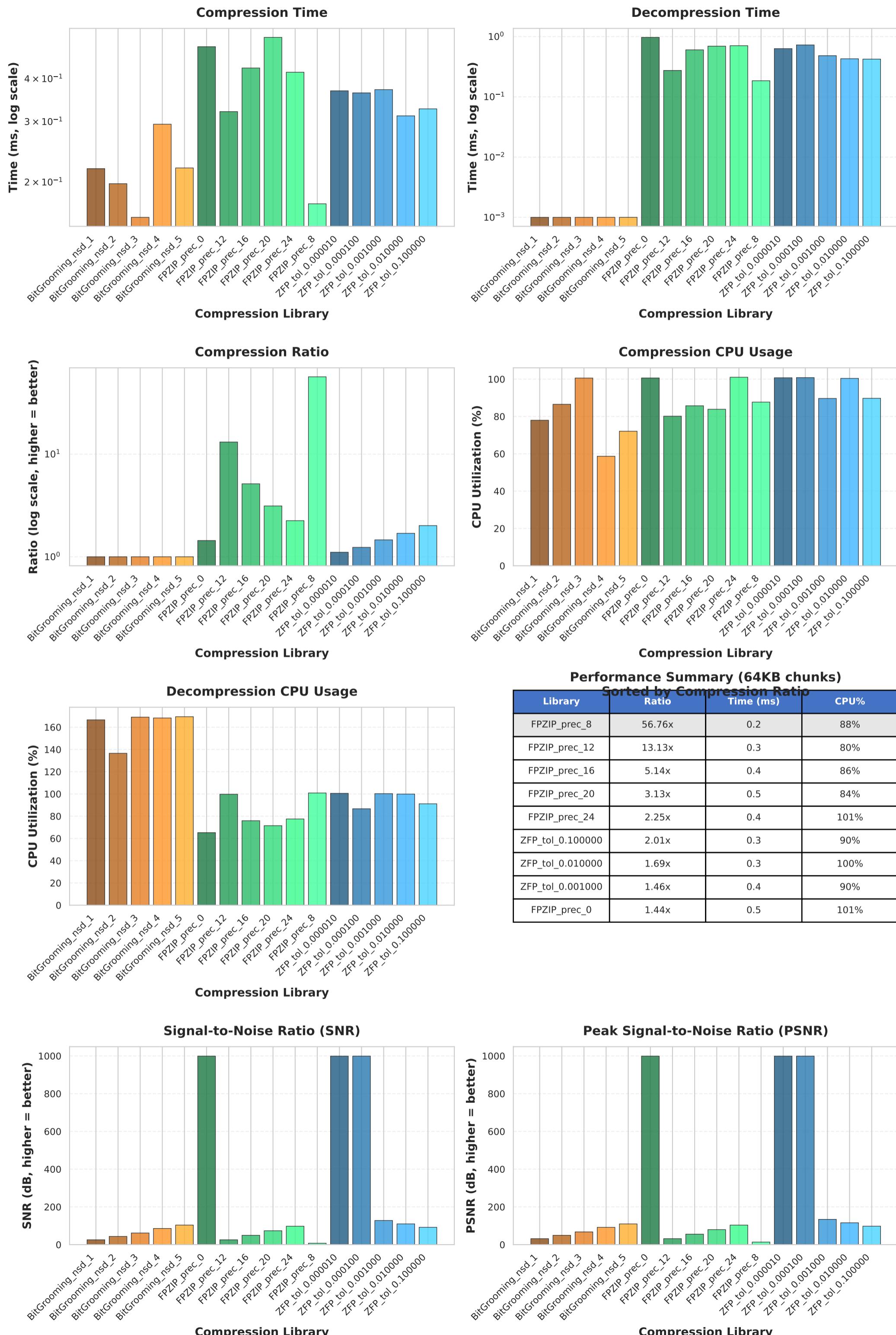
Signal-to-Noise Ratio (SNR)



Peak Signal-to-Noise Ratio (PSNR)

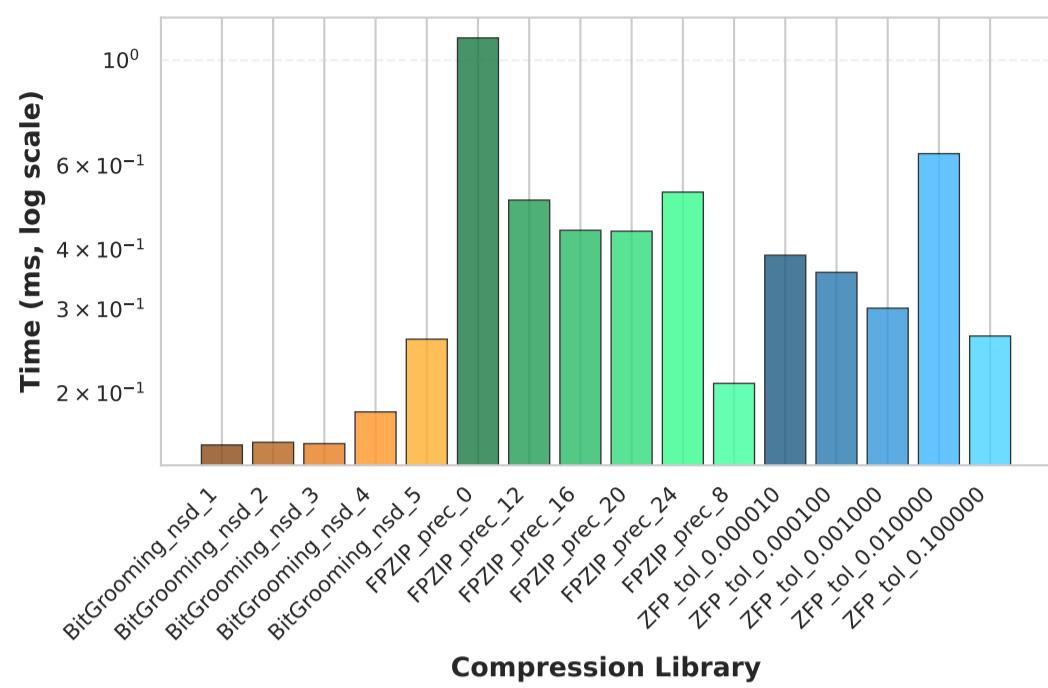


Parameter Study: structured_float Float Data Type, 64KB Chunk Size

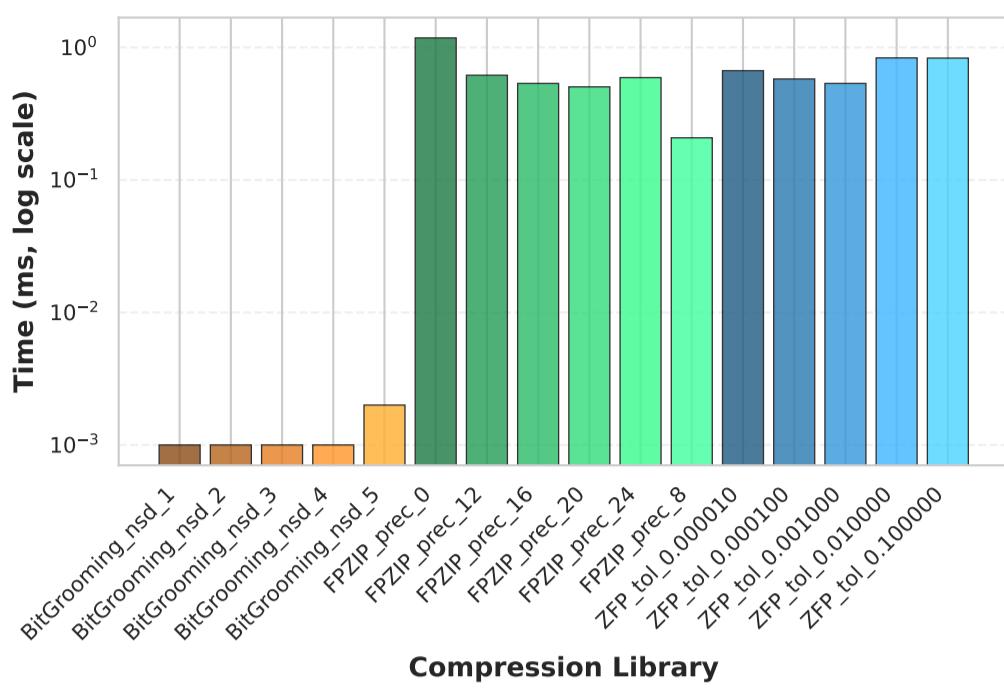


Parameter Study: uniform_float
Float data: Uniform distribution [0.0, 1000.0]
Float Data Type, 64KB Chunk Size

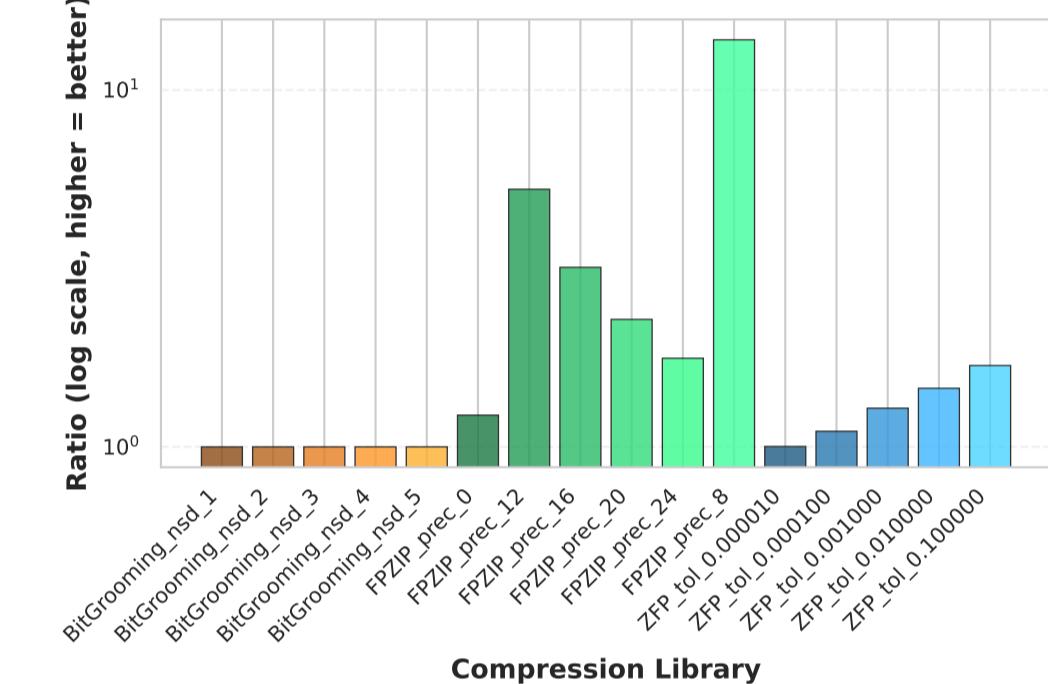
Compression Time



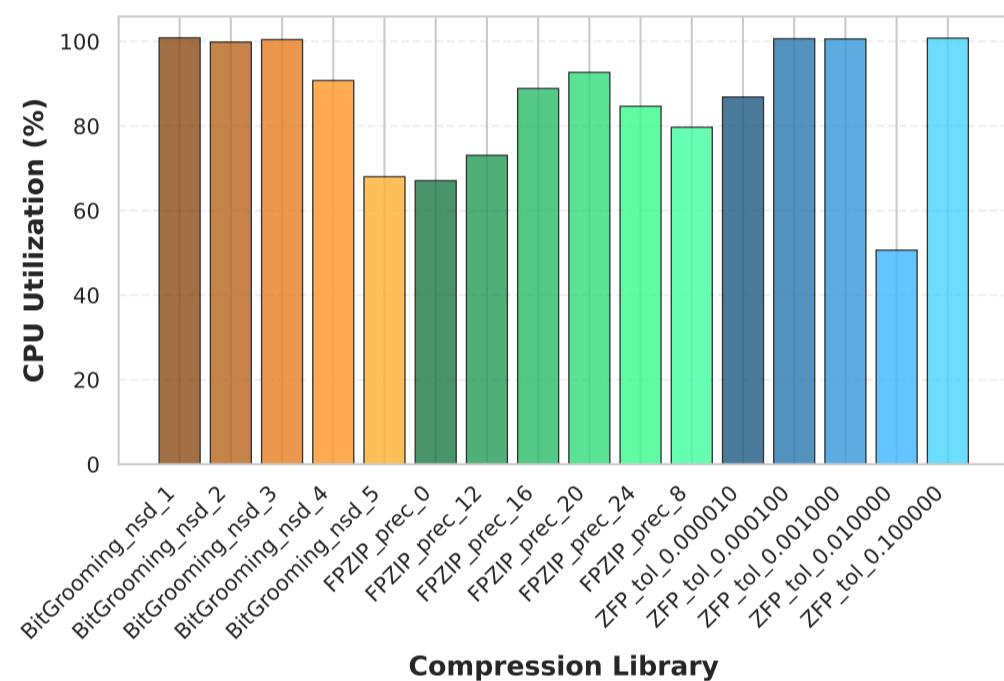
Decompression Time



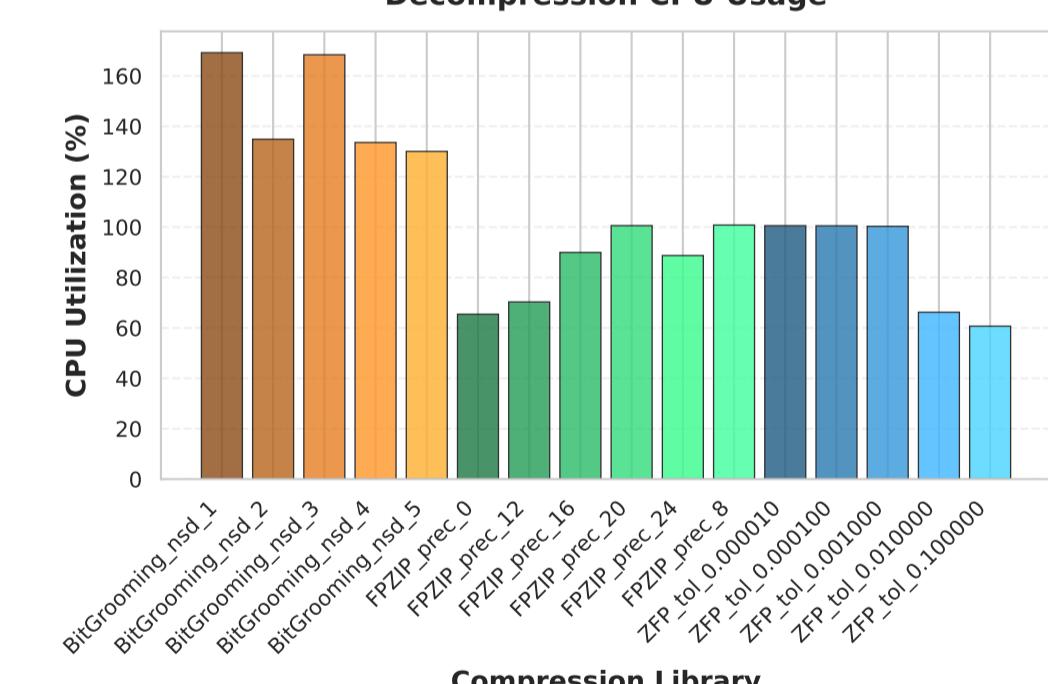
Compression Ratio



Compression CPU Usage



Decompression CPU Usage

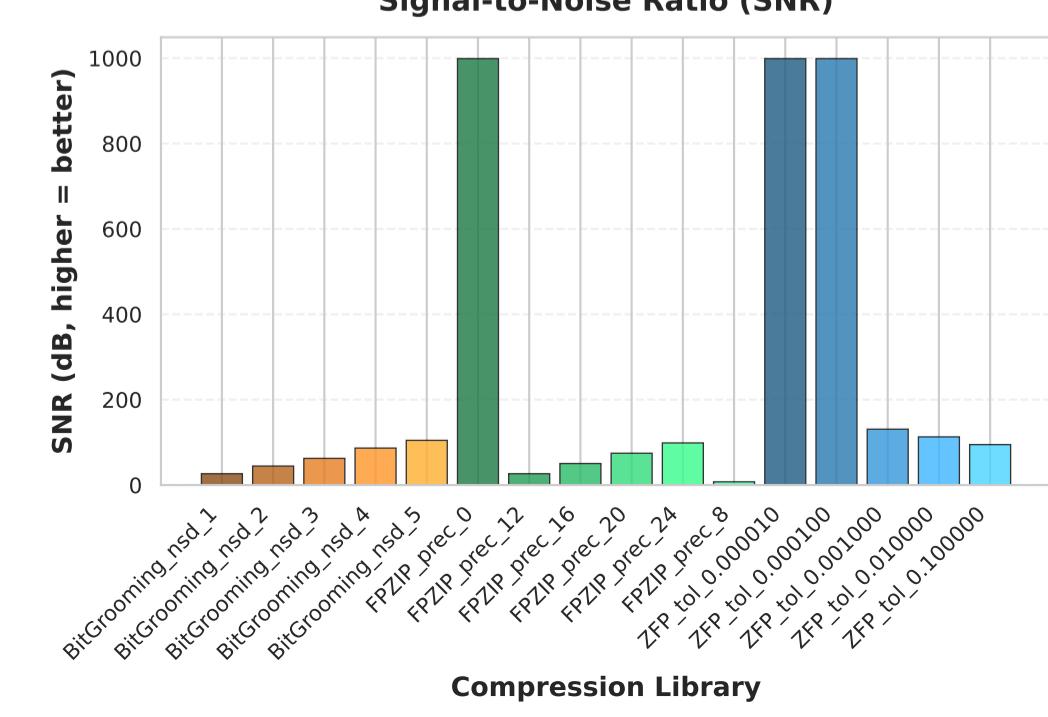


Performance Summary (64KB chunks)

Sorted by Compression Ratio

| Library | Ratio | Time (ms) | CPU% |
|------------------|--------|-----------|------|
| FPZIP_prec_8 | 13.83x | 0.2 | 80% |
| FPZIP_prec_12 | 5.27x | 0.5 | 73% |
| FPZIP_prec_16 | 3.18x | 0.4 | 89% |
| FPZIP_prec_20 | 2.28x | 0.4 | 93% |
| FPZIP_prec_24 | 1.77x | 0.5 | 85% |
| ZFP_tol_0.100000 | 1.69x | 0.3 | 101% |
| ZFP_tol_0.010000 | 1.46x | 0.6 | 51% |
| ZFP_tol_0.001000 | 1.28x | 0.3 | 101% |
| FPZIP_prec_0 | 1.23x | 1.1 | 67% |

Signal-to-Noise Ratio (SNR)



Peak Signal-to-Noise Ratio (PSNR)

