

Cross-Language Memory Transfer: Serialization Overhead

Aeon
Zero-Copy

334 ns (baseline)

Pickle
(ndarray)

132 μ s (~397 \times slower)

Pickle
(list[float])

32.3 ms (~10⁵ \times slower)

JSON
(list[float])

318 ms (~10⁶ \times slower)

100 1 μ s 10 μ s 100 μ s 1ms 10ms 100ms 1s

Transfer Latency (ns) — 10 MB Payload

