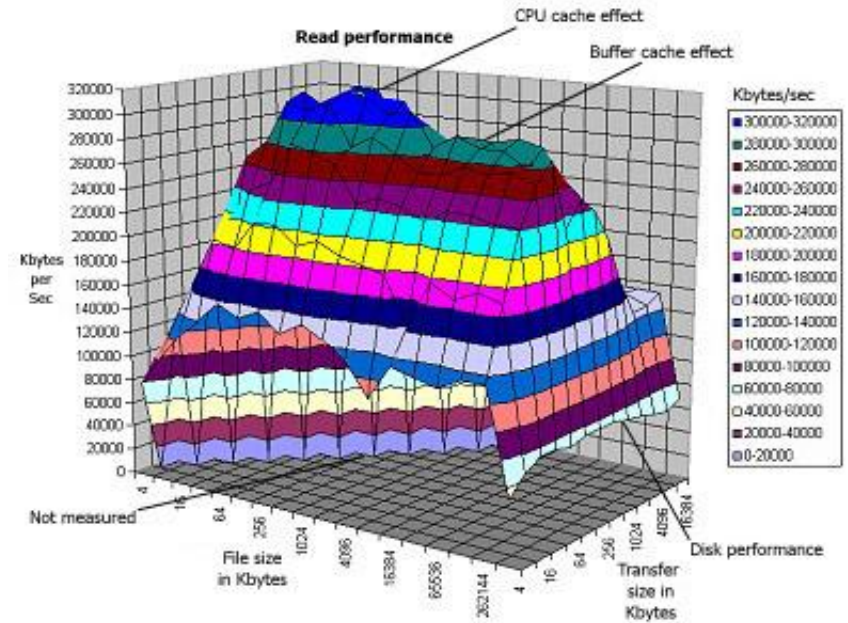


On Benchmarks and Workload Generators

- Workload Generator:
 - A tool to generate a well understood workload
- Characteristics:
 - Flexible
 - Simple to describe
- Examples:
 - IOZone
 - Jetstress
 - Many, many others



IOzone, a well known workload generator



On Benchmarks and Workload Generators

- Benchmark
 - A workload generator
 - A set of run rules
- Publication process
 - Single primary metric
 - Full disclosure
 - Pricing
 - Audit
- Examples:
 - TPC-C
 - SPC-1
- Characteristics:
 - Rigid
 - Intended to accurately model a problem

Summary of Results

SPC-1 Results	
Tested Storage Configuration (TSC) Name: NetApp FAS3270A	
Metric	Reported Result
SPC-1 IOPS™	68,034.63
SPC-1 Price-Performance	\$7.48/SPC-1 IOPS™
Total ASU Capacity	21,859,386 GB
Data Protection Level	Protected (RAID DP™)
Total TSC Price (including three-year maintenance)	\$509,200.79