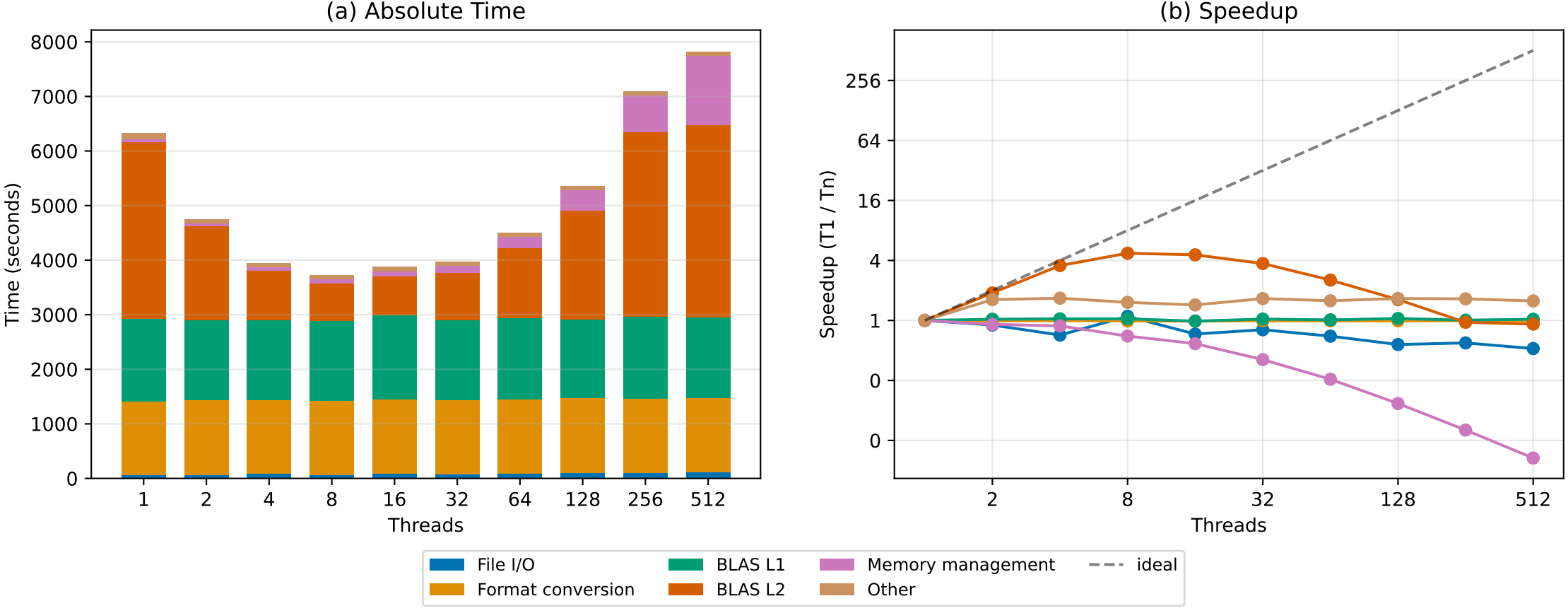
(a) Absolute Time
Time (seconds)
8000
7000
6000
5000
4000
3000
2000
1000
0
1
2
4
8
16
32
64
128
256
512
Threads
(b) Speedup
Speedup (T1 / Tn)
256
64
16
4
1
0
0
2
8
32
128
512
Threads
File I/O
Format conversion
BLAS L1
BLAS L2
Memory management
Other
ideal