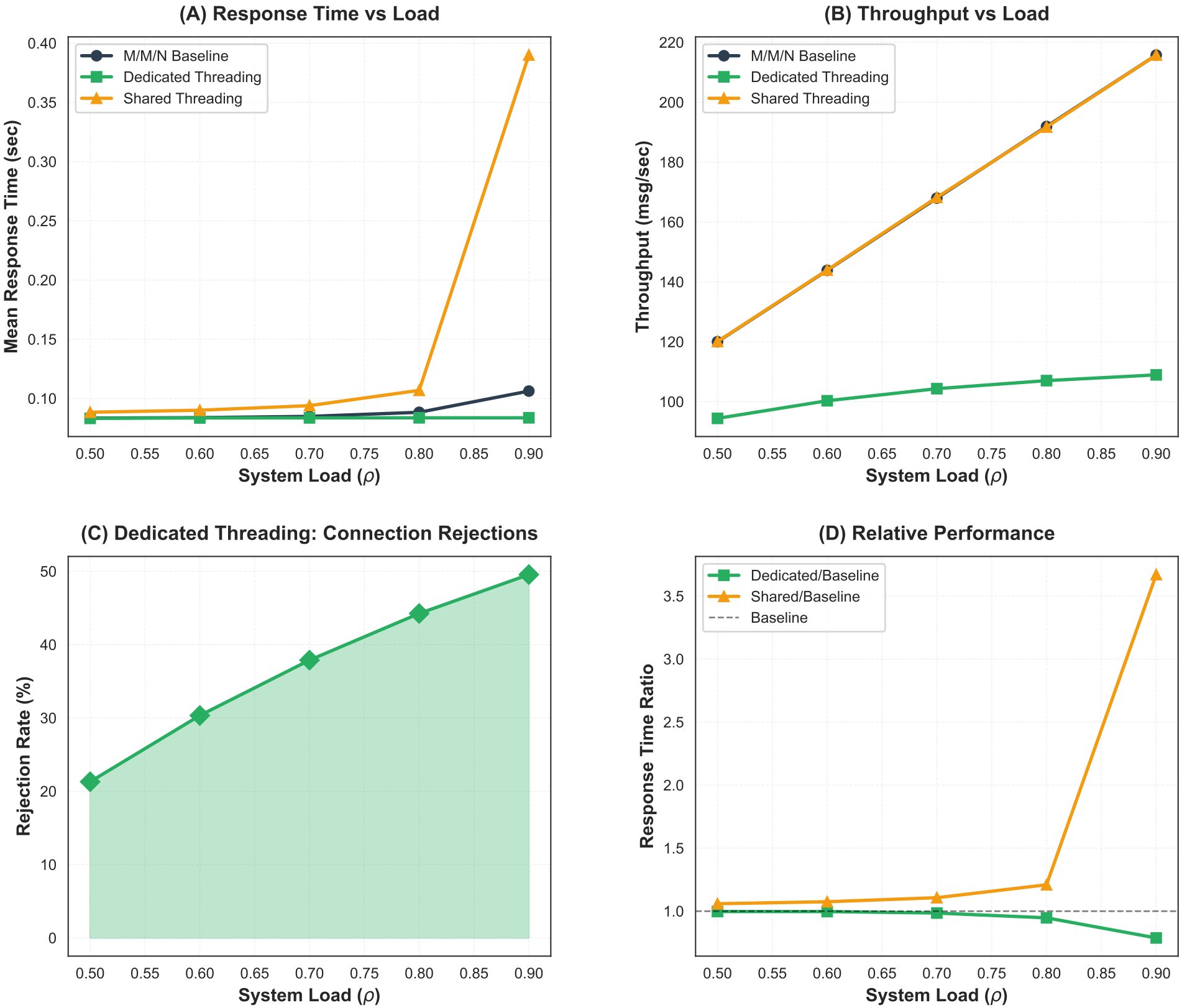
Threading Model Comparison: Dedicated vs Shared
$N = 20$ threads, $\mu = 12$ msg/sec/thread
(A) Response Time vs Load
Mean Response Time (sec)
System Load (ρ)
M/M/N Baseline
Dedicated Threading
Shared Threading
(B) Throughput vs Load
Throughput (msg/sec)
System Load (ρ)
(C) Dedicated Threading: Connection Rejections
Rejection Rate (%)
System Load (ρ)
(D) Relative Performance
Response Time Ratio
System Load (ρ)
Dedicated/Baseline
Shared/Baseline
Baseline