A: Ideal concurrency $(\sigma, \kappa = 0)$	B: Contention-limited $(\sigma > 0, \kappa = 0)$
Single-threaded tasks	Tasks requiring locking or sequencing
Parallel text search	Message-passing protocols
Read-only queries	Polling protocols (e.g., hypervisors)
C: Coherency-limited $(\sigma = 0, \kappa > 0)$	**D: Worst case** $(\sigma, \kappa > 0)$
SMP cache pinging	Tasks acting on shared-writable data
Incoherent application state between	Online reservation systems
cluster nodes	Updating database records