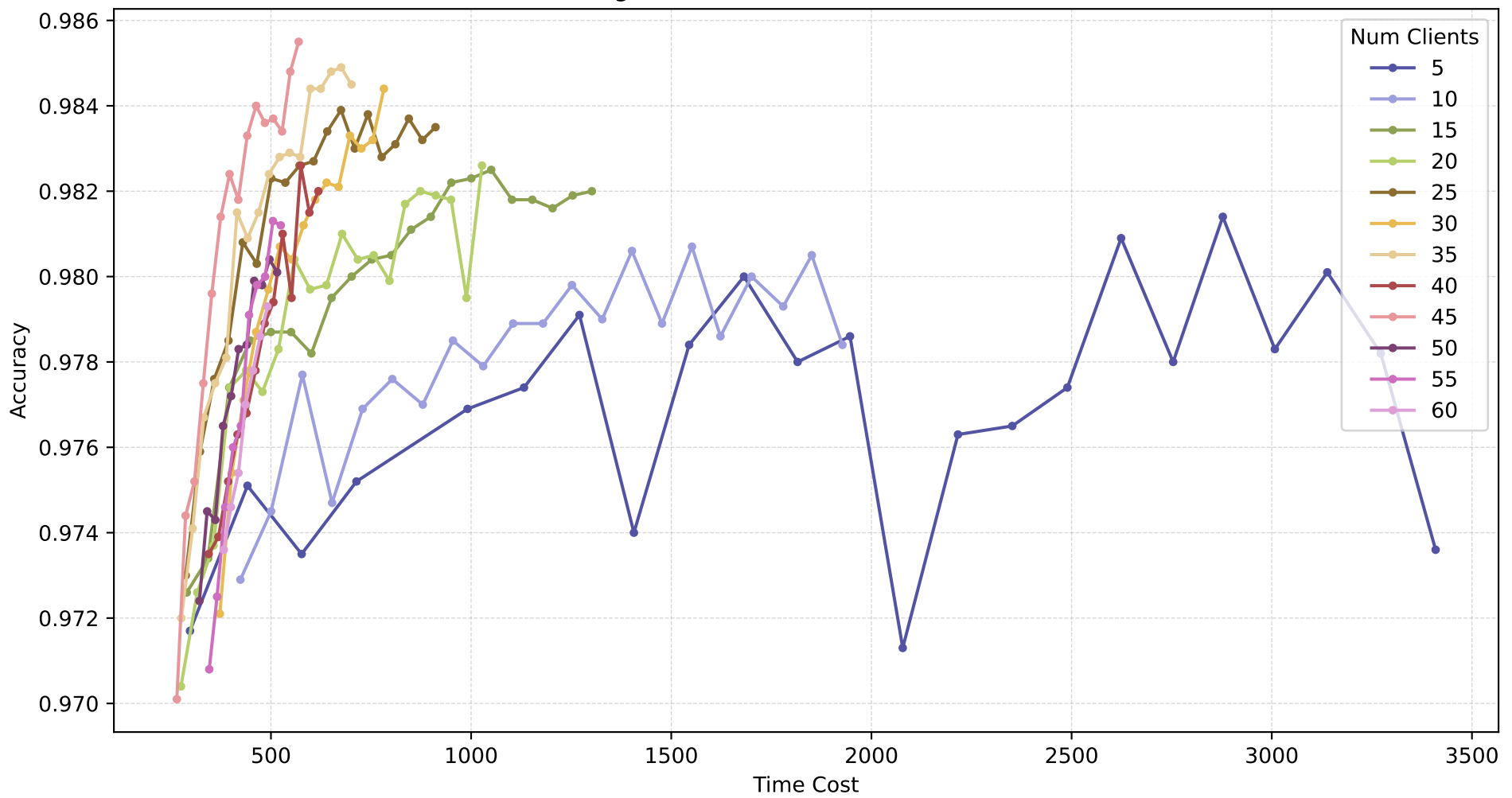
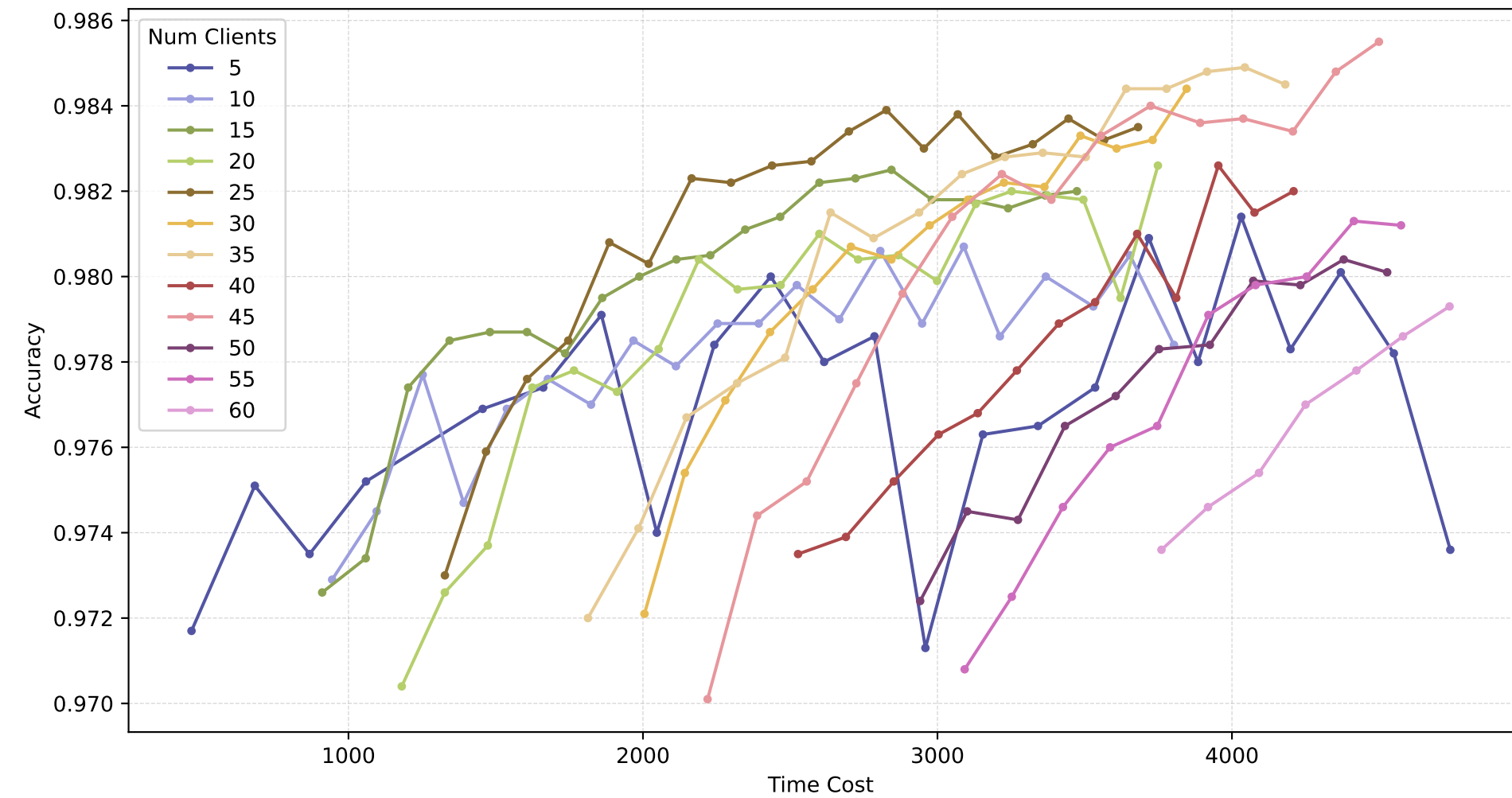


Batch Size : 32 ,  $\Theta$  : 0.5

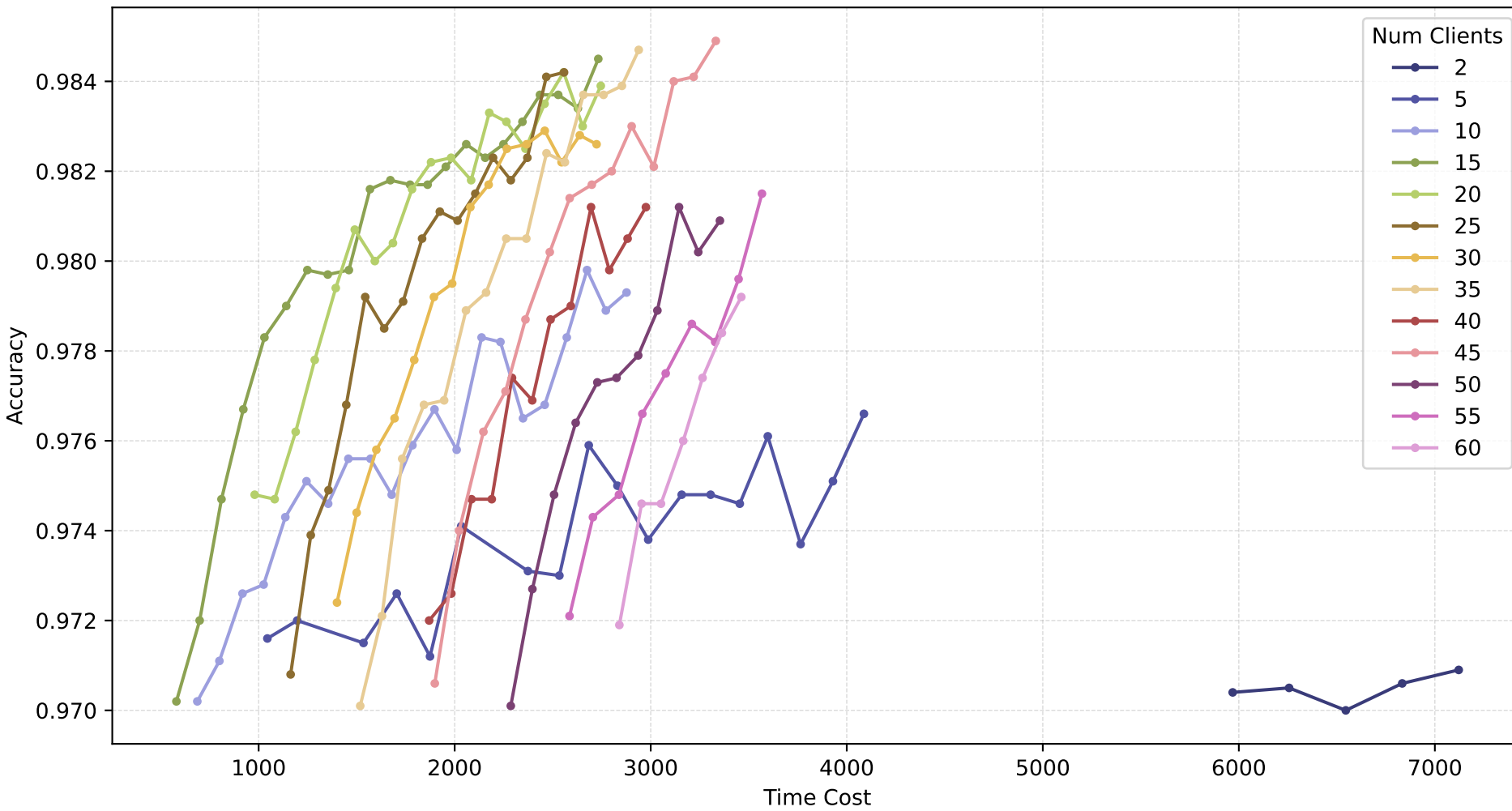
Linear Contention Communication Model

Logarithmic Communication Model

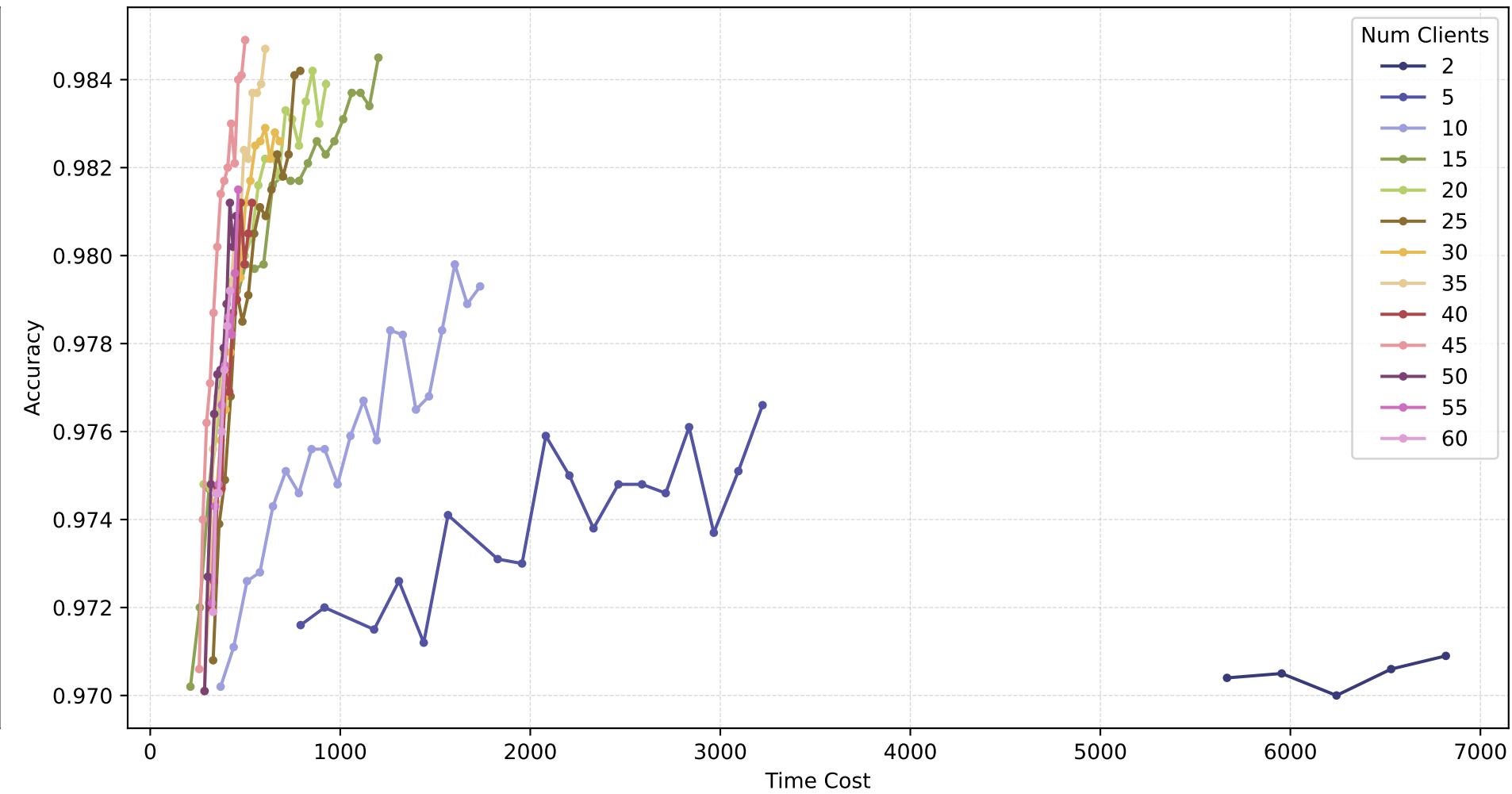


Batch Size : 32 ,  $\Theta$  : 1.0

Linear Contention Communication Model

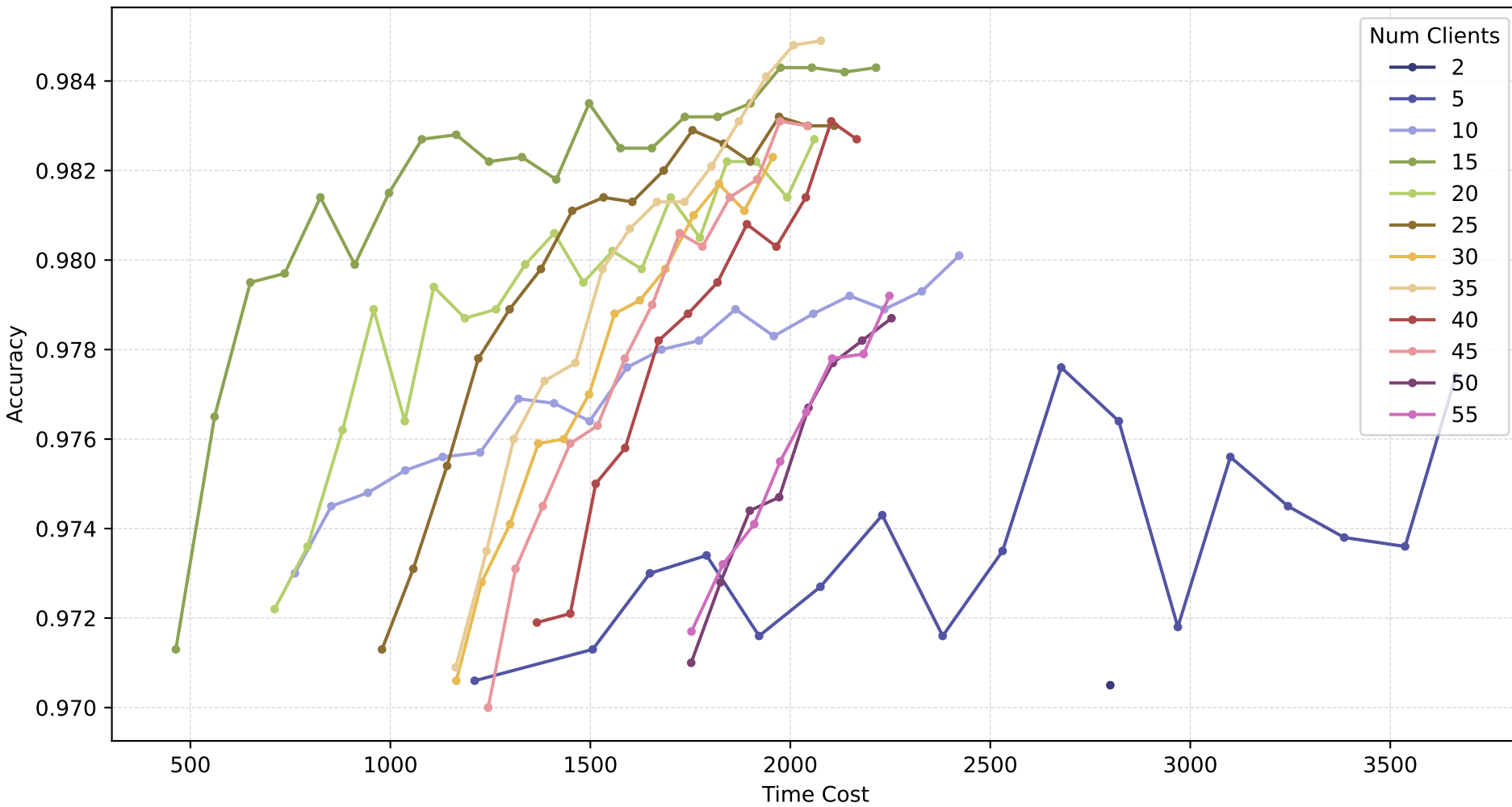


Logarithmic Communication Model

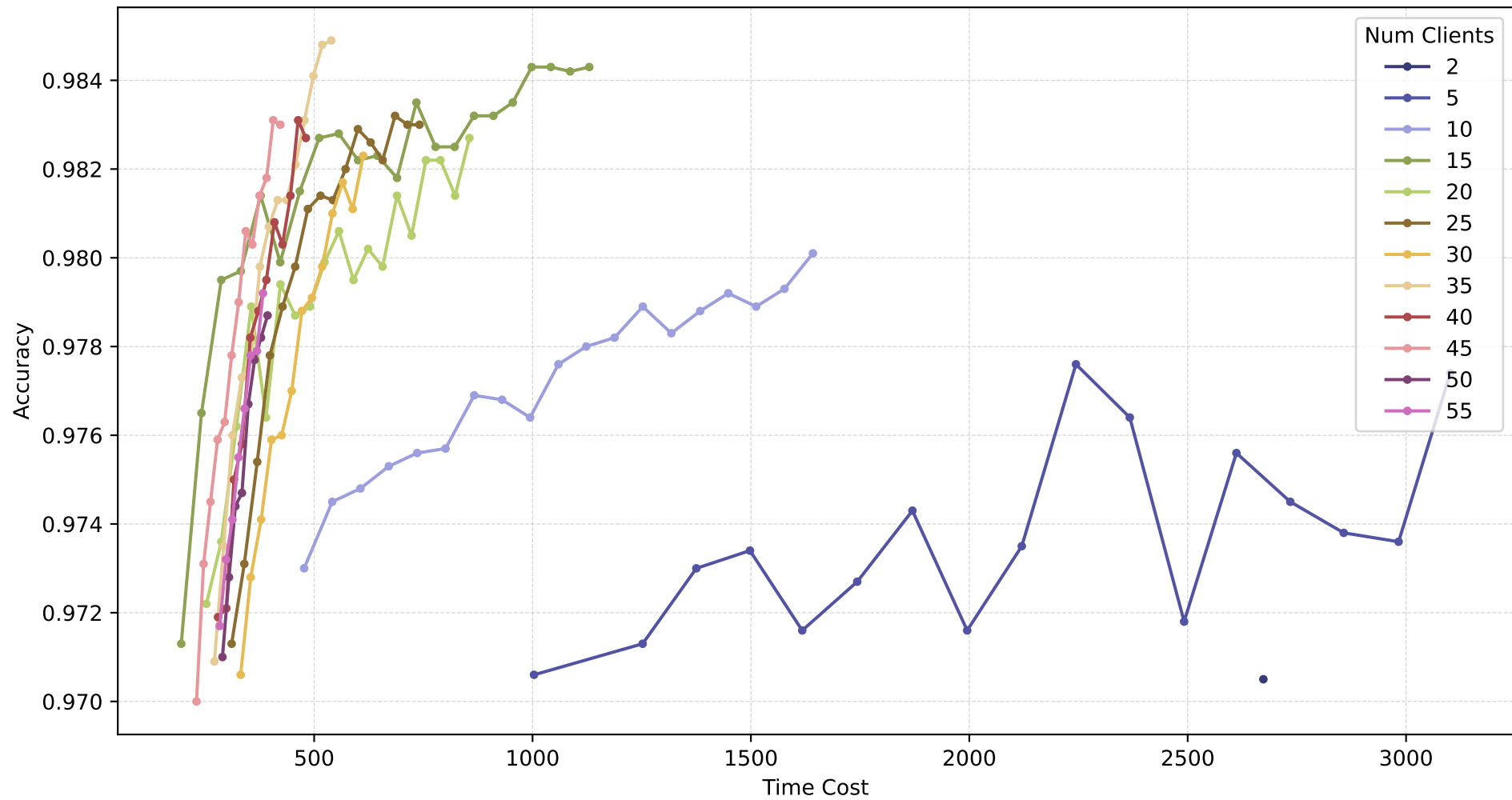


Batch Size : 32 ,  $\Theta$  : 2.0

Linear Contention Communication Model

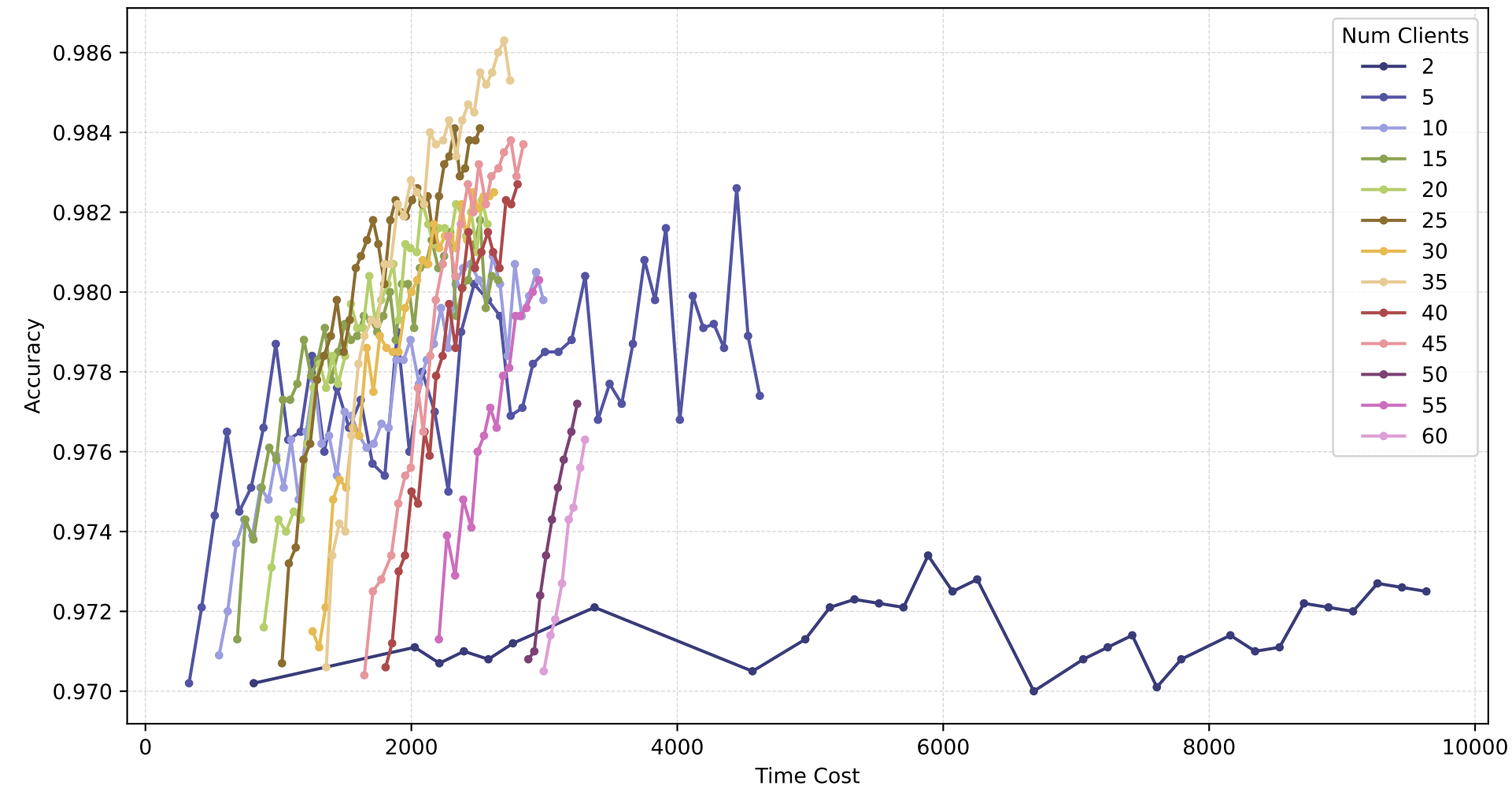


Logarithmic Communication Model

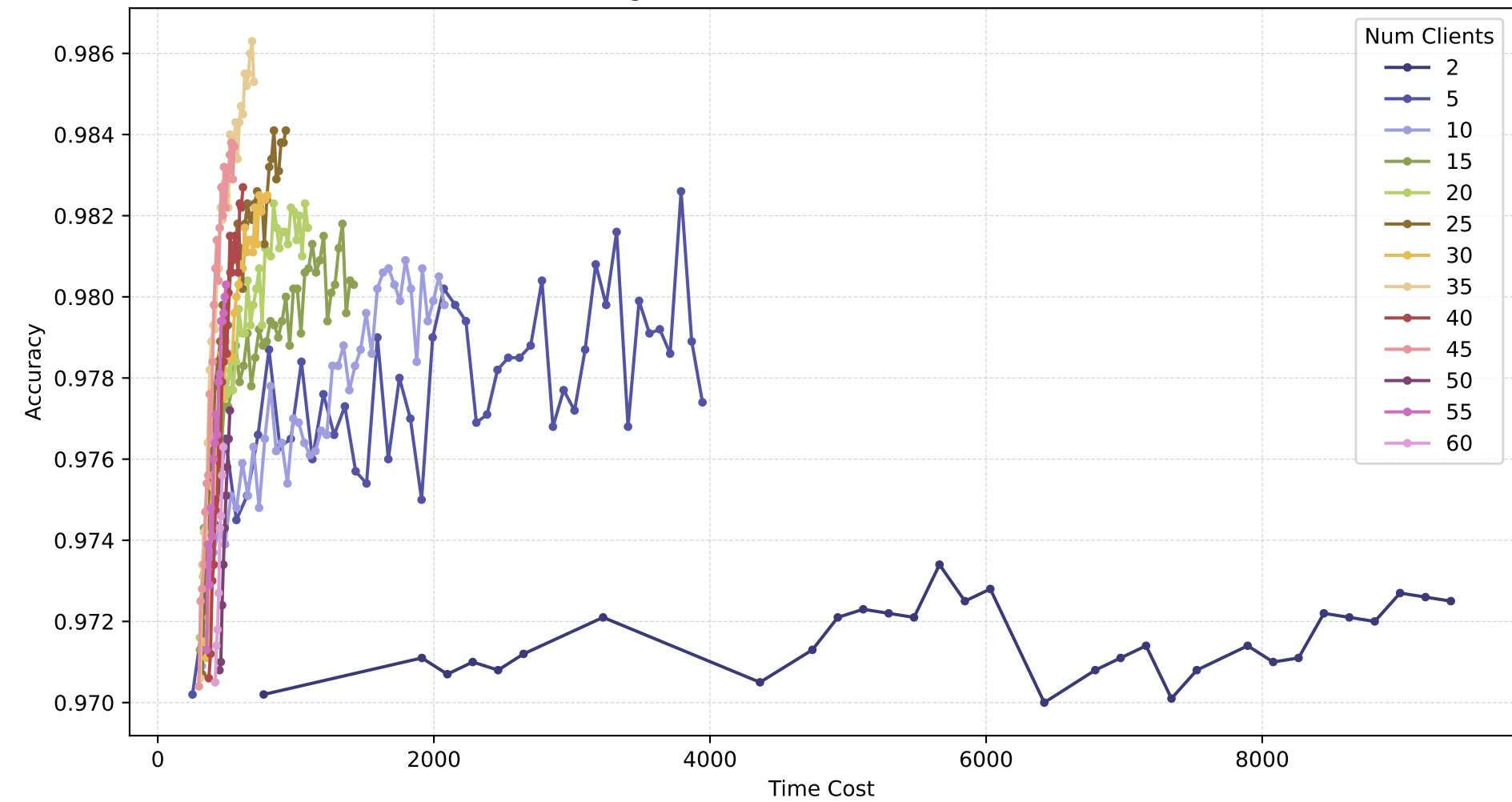


Batch Size : 128 ,  $\Theta$  : 0.5

Linear Contention Communication Model

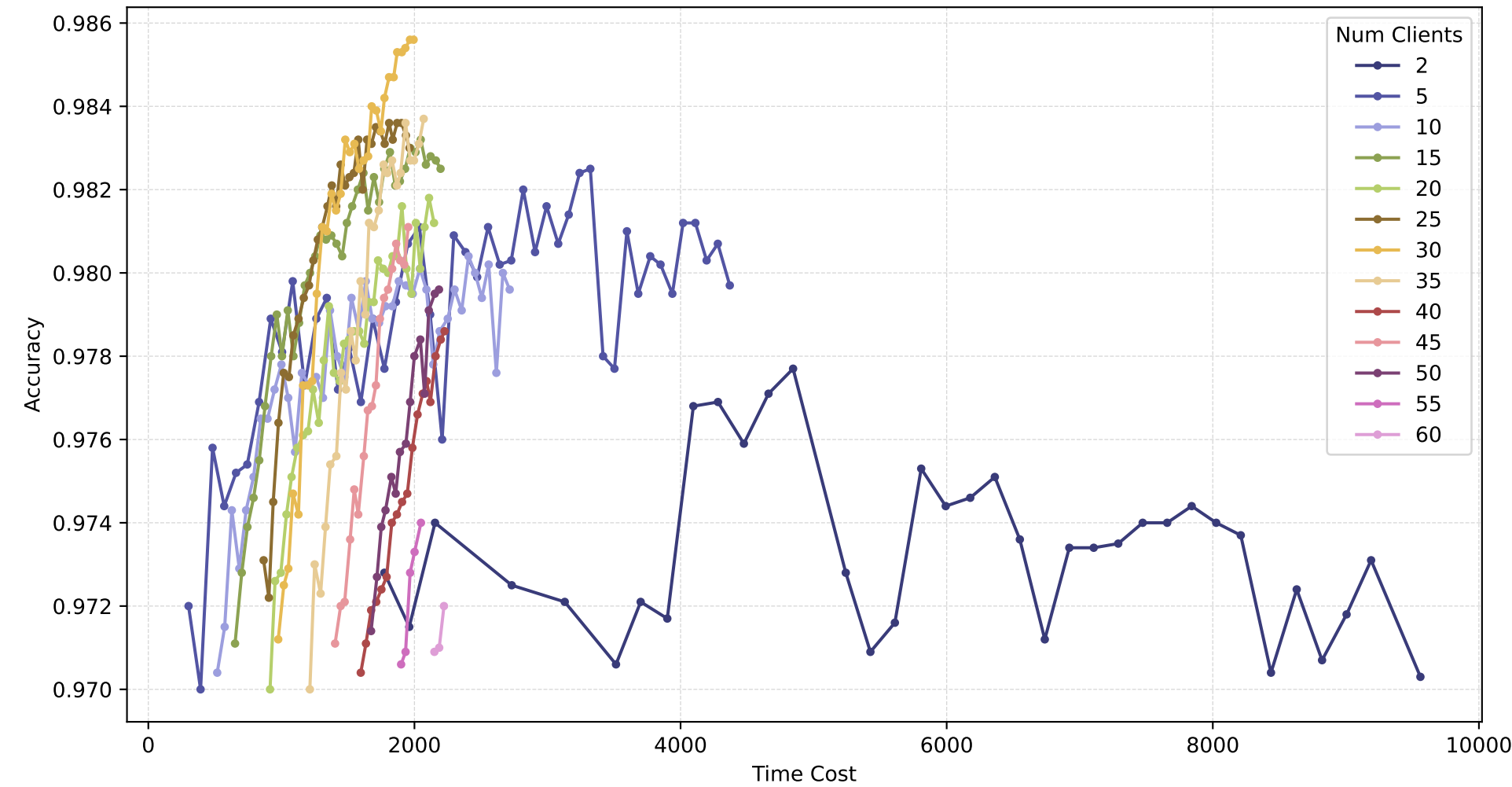


Logarithmic Communication Model

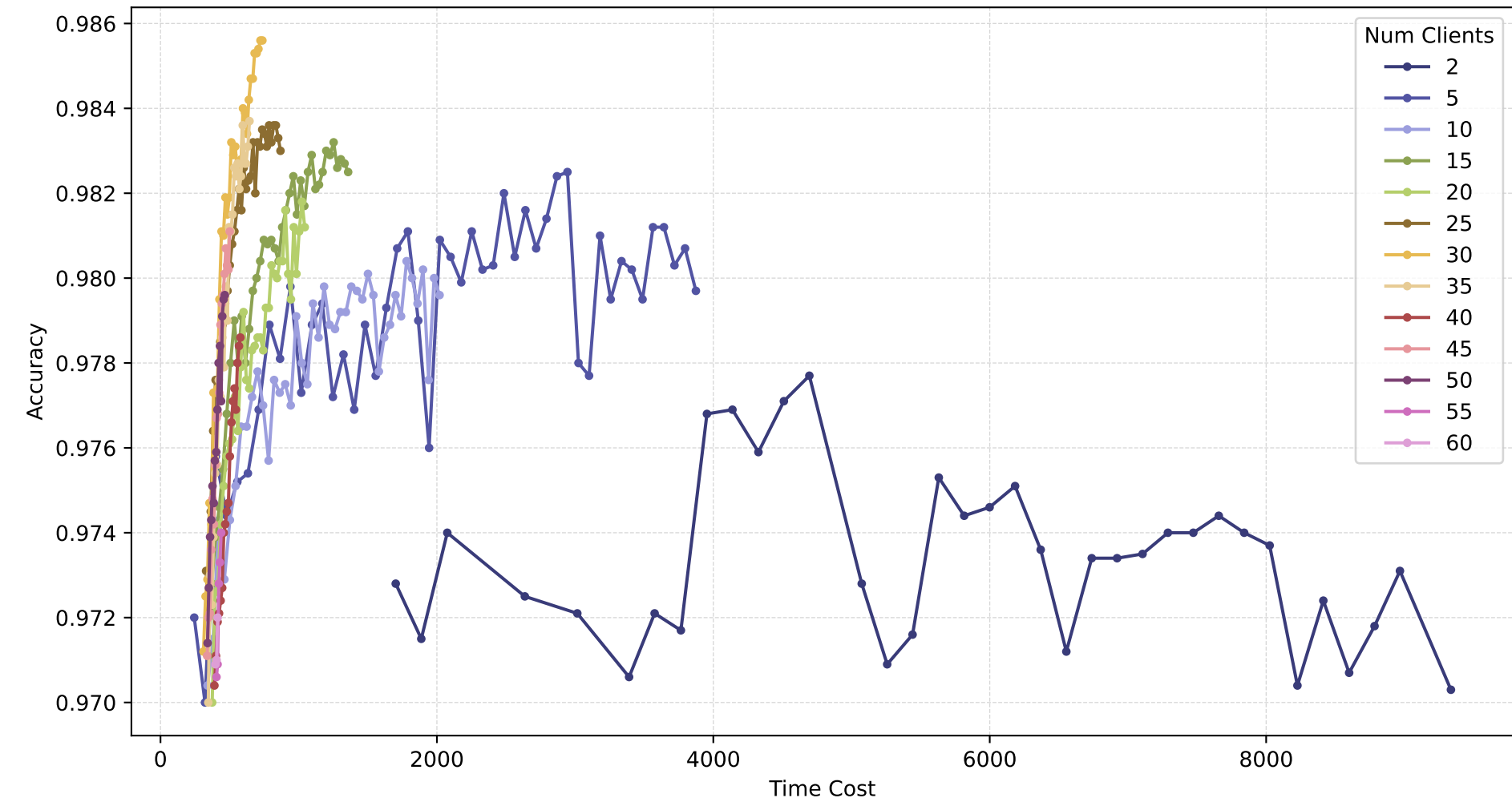


Batch Size : 128 ,  $\Theta$  : 1.0

Linear Contention Communication Model

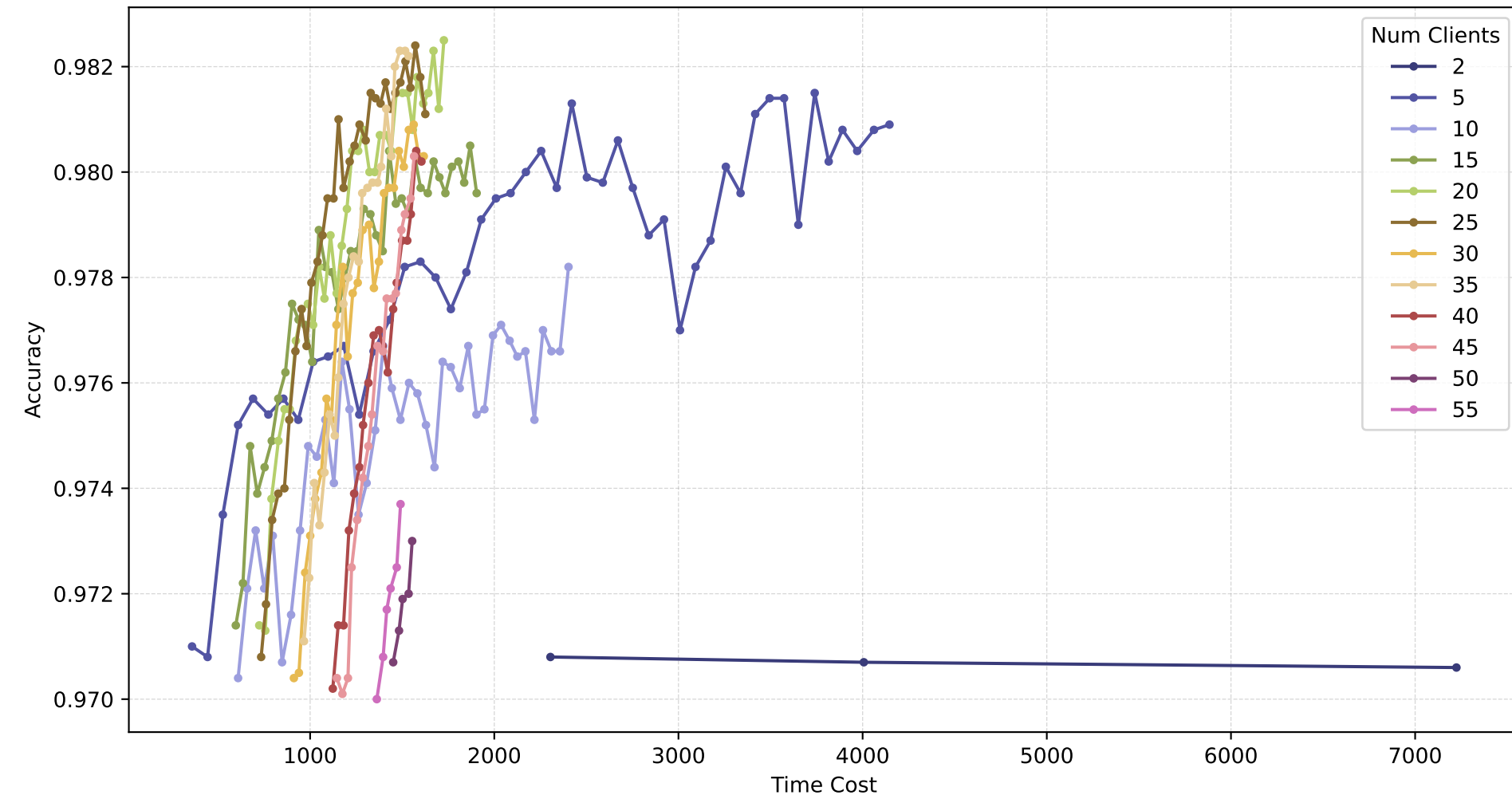


Logarithmic Communication Model

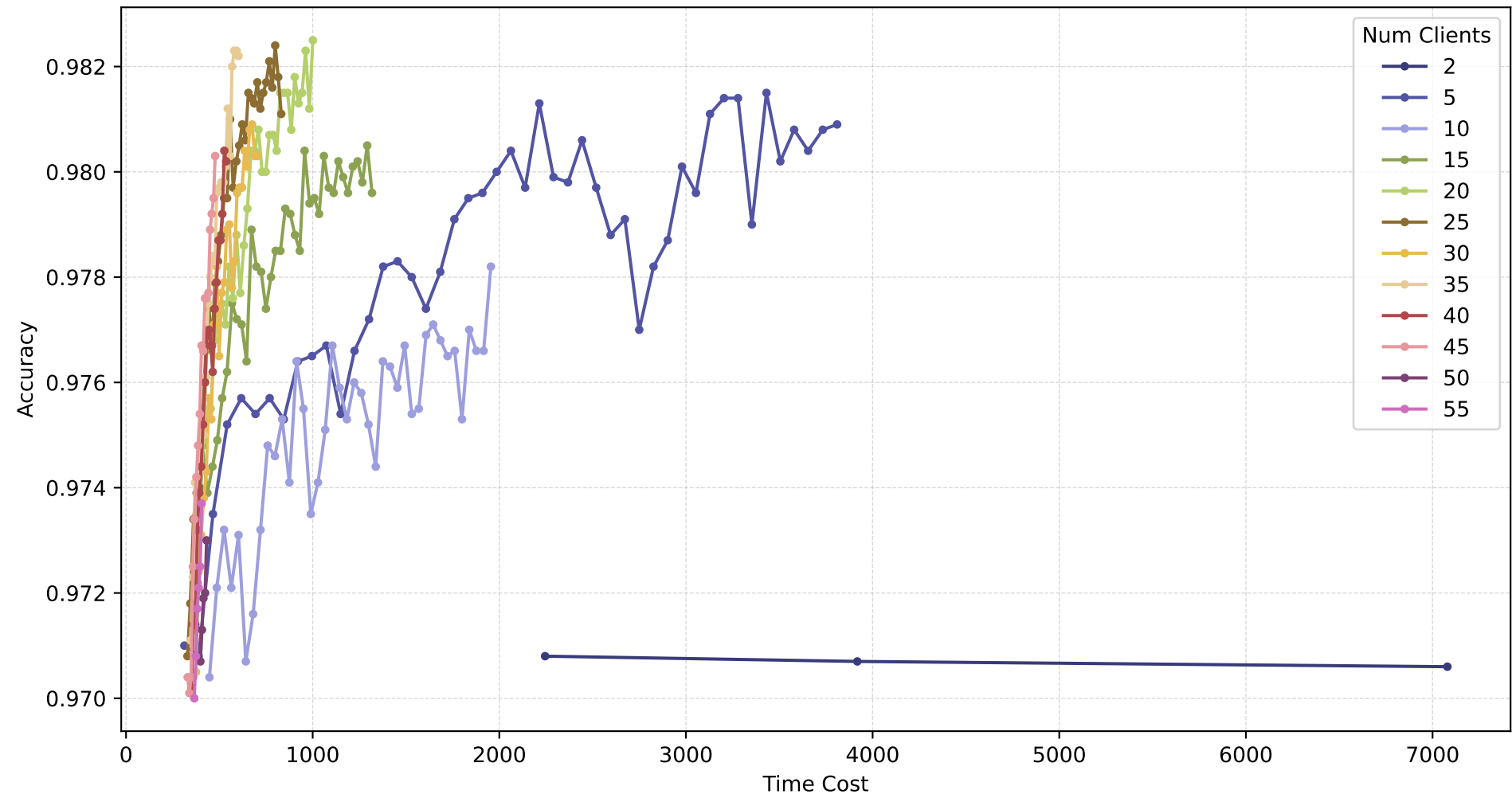


Batch Size : 128 ,  $\Theta$  : 2.0

Linear Contention Communication Model

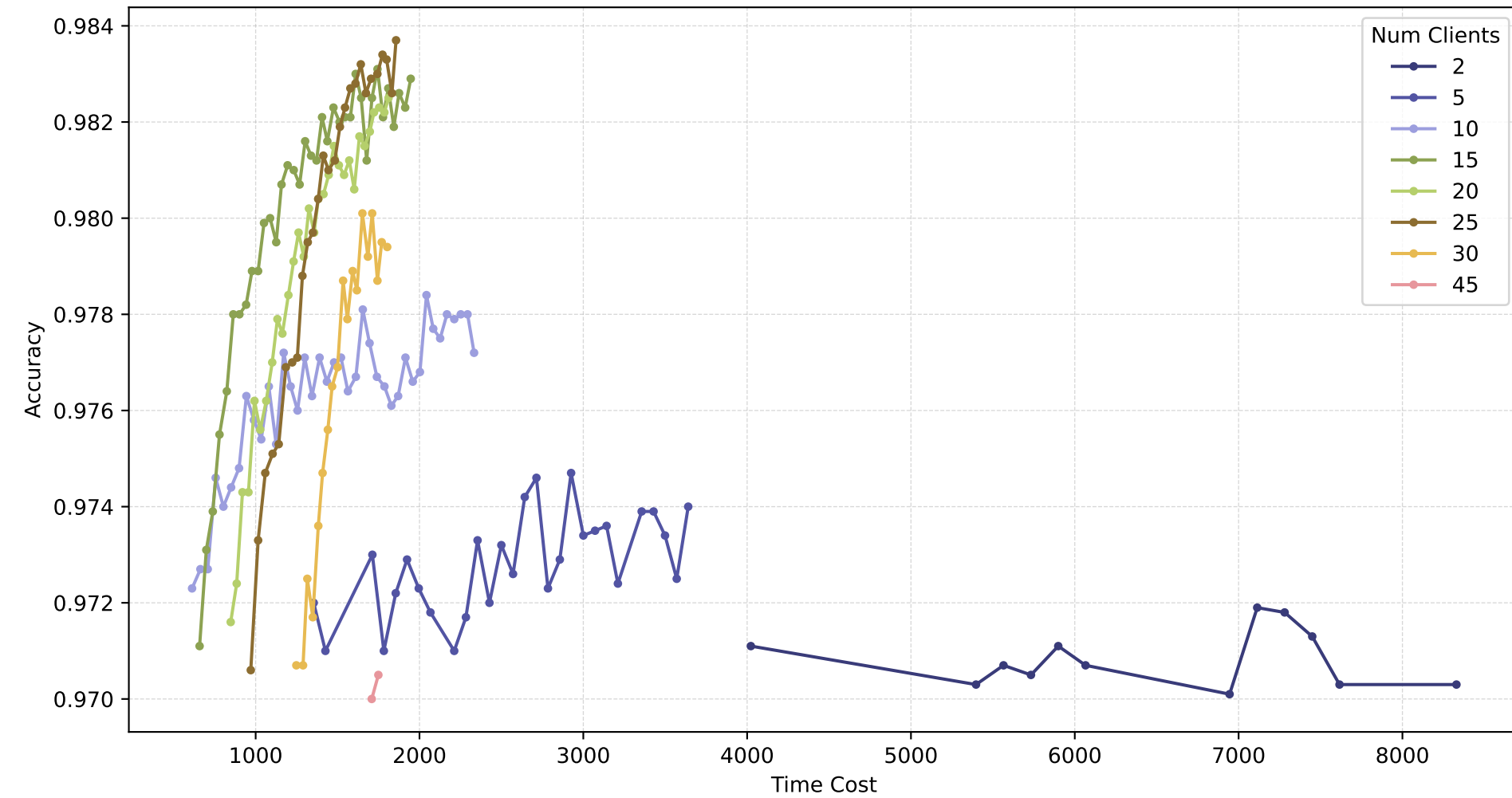


Logarithmic Communication Model

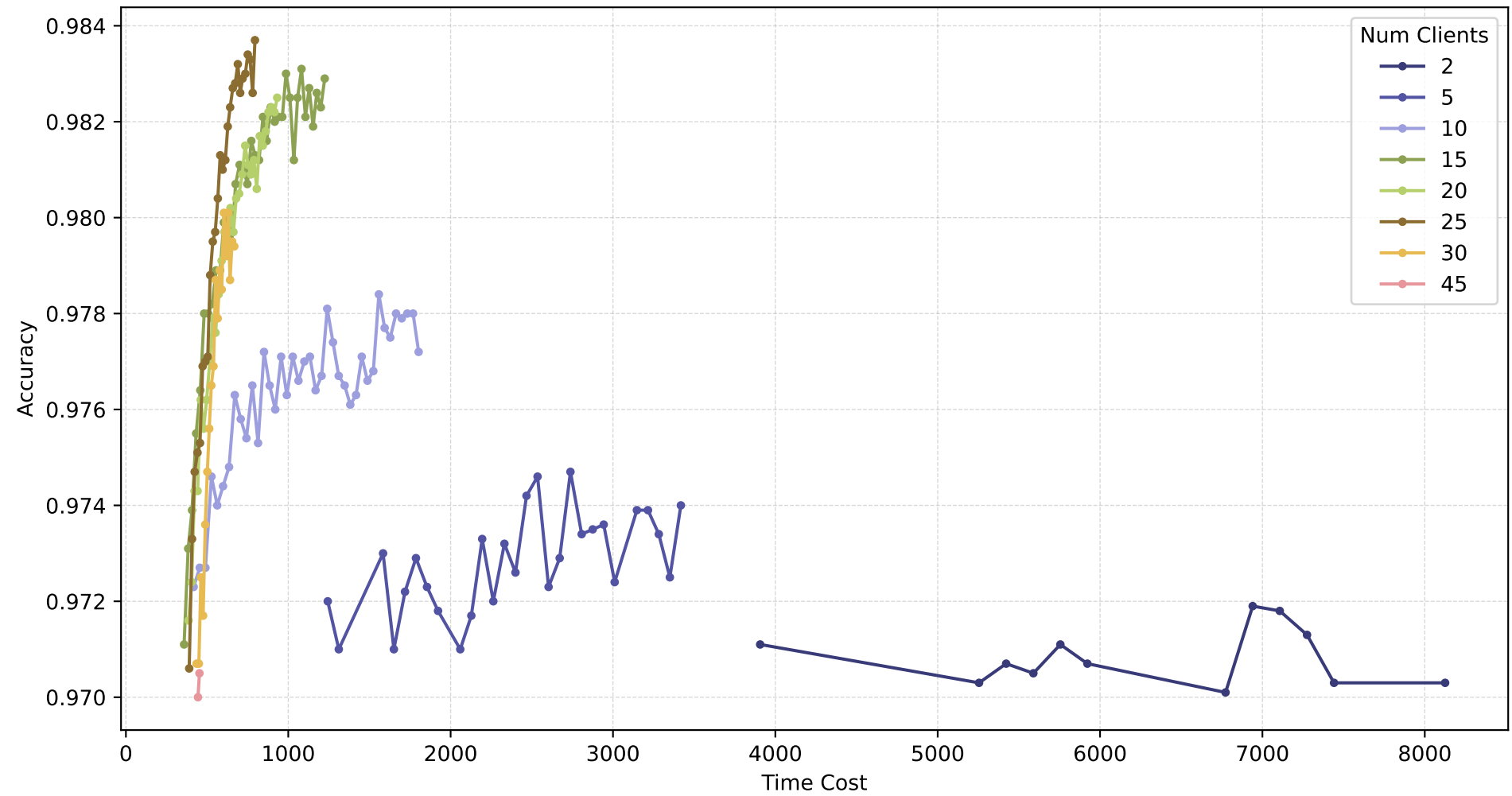


Batch Size : 256 ,  $\Theta$  : 0.5

Linear Contention Communication Model

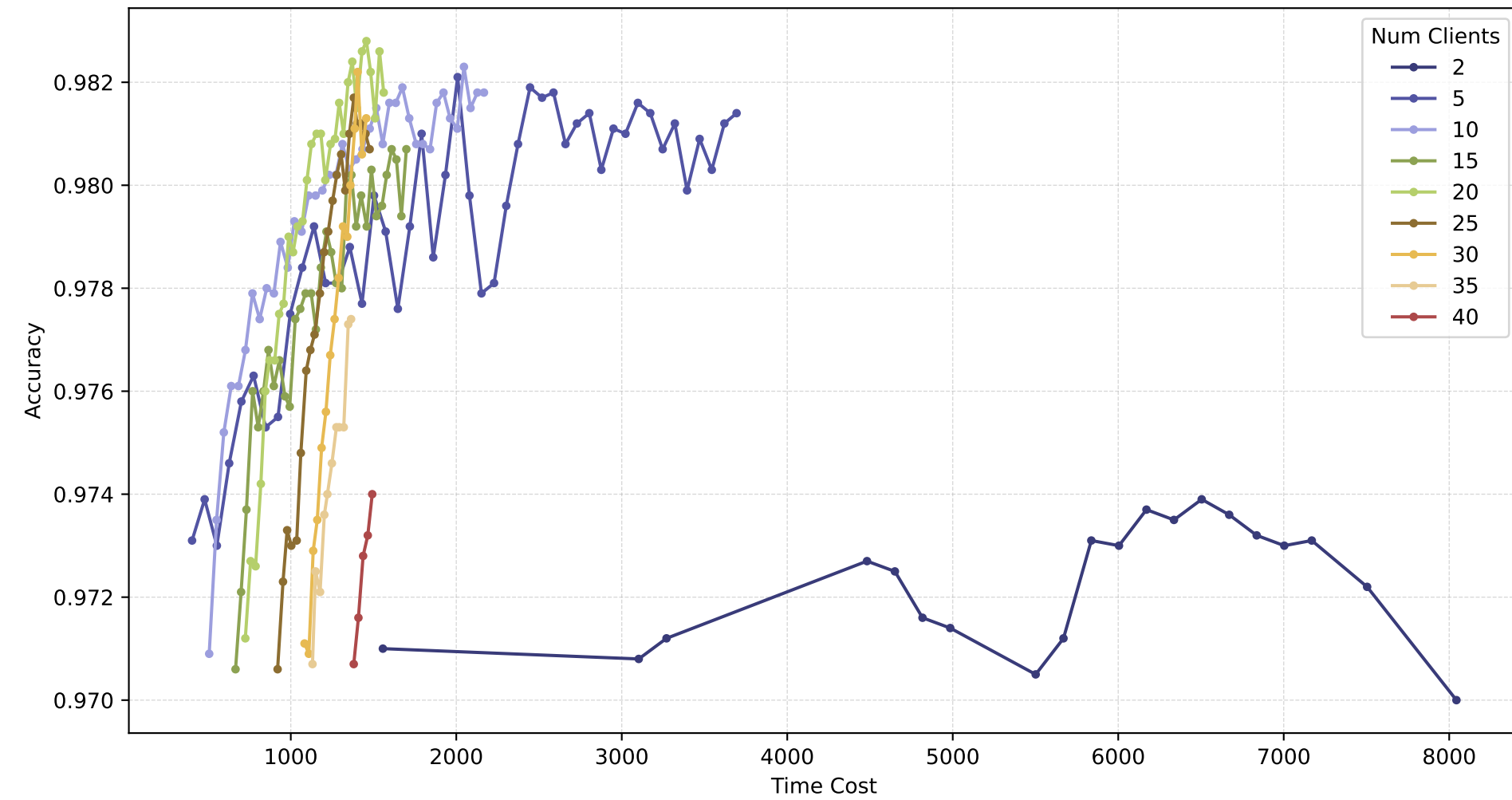


Logarithmic Communication Model

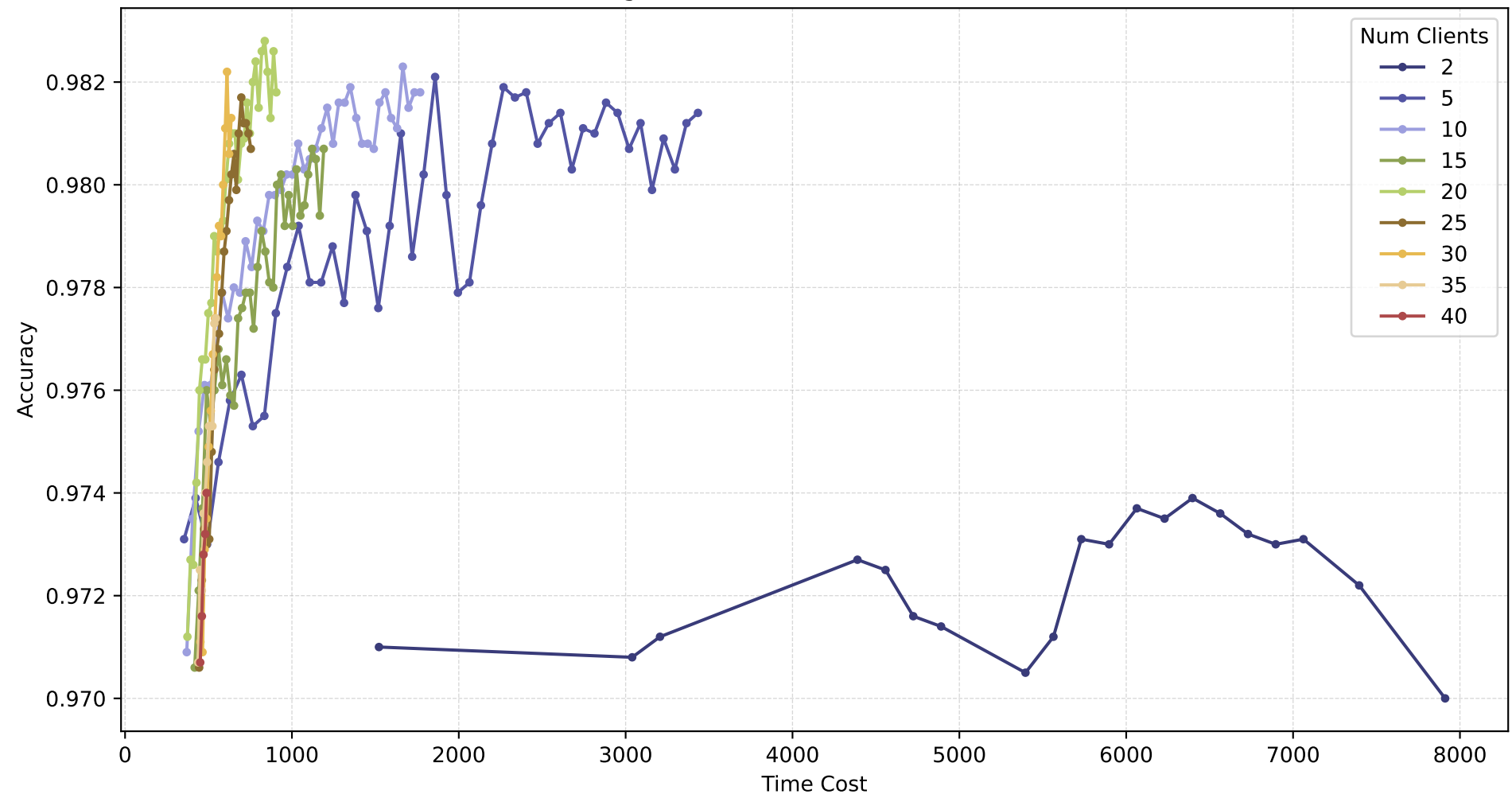


Batch Size : 256 ,  $\Theta$  : 1.0

Linear Contention Communication Model



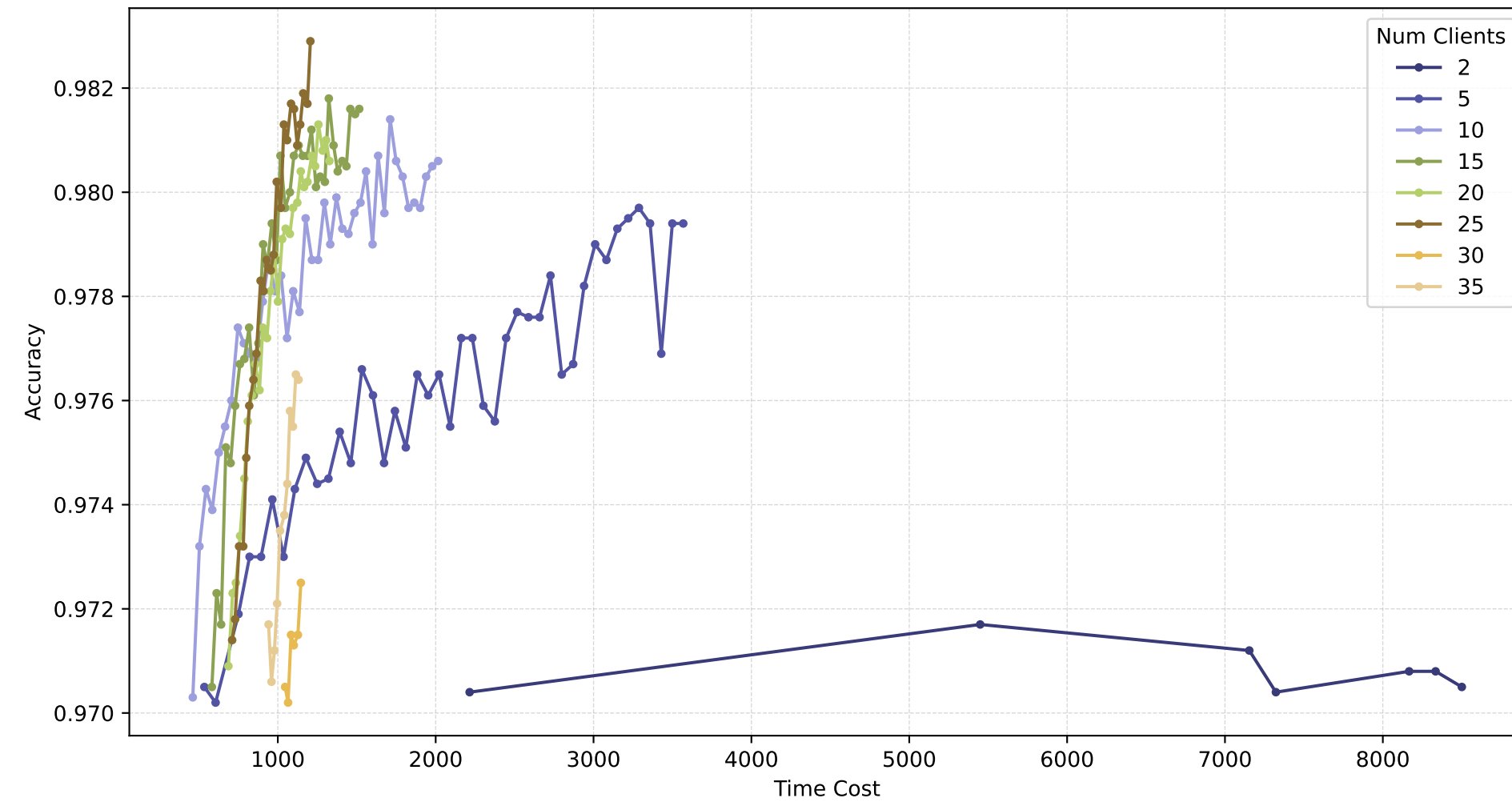
Logarithmic Communication Model





Batch Size : 256 ,  $\Theta$  : 2.0

Linear Contention Communication Model



Logarithmic Communication Model

