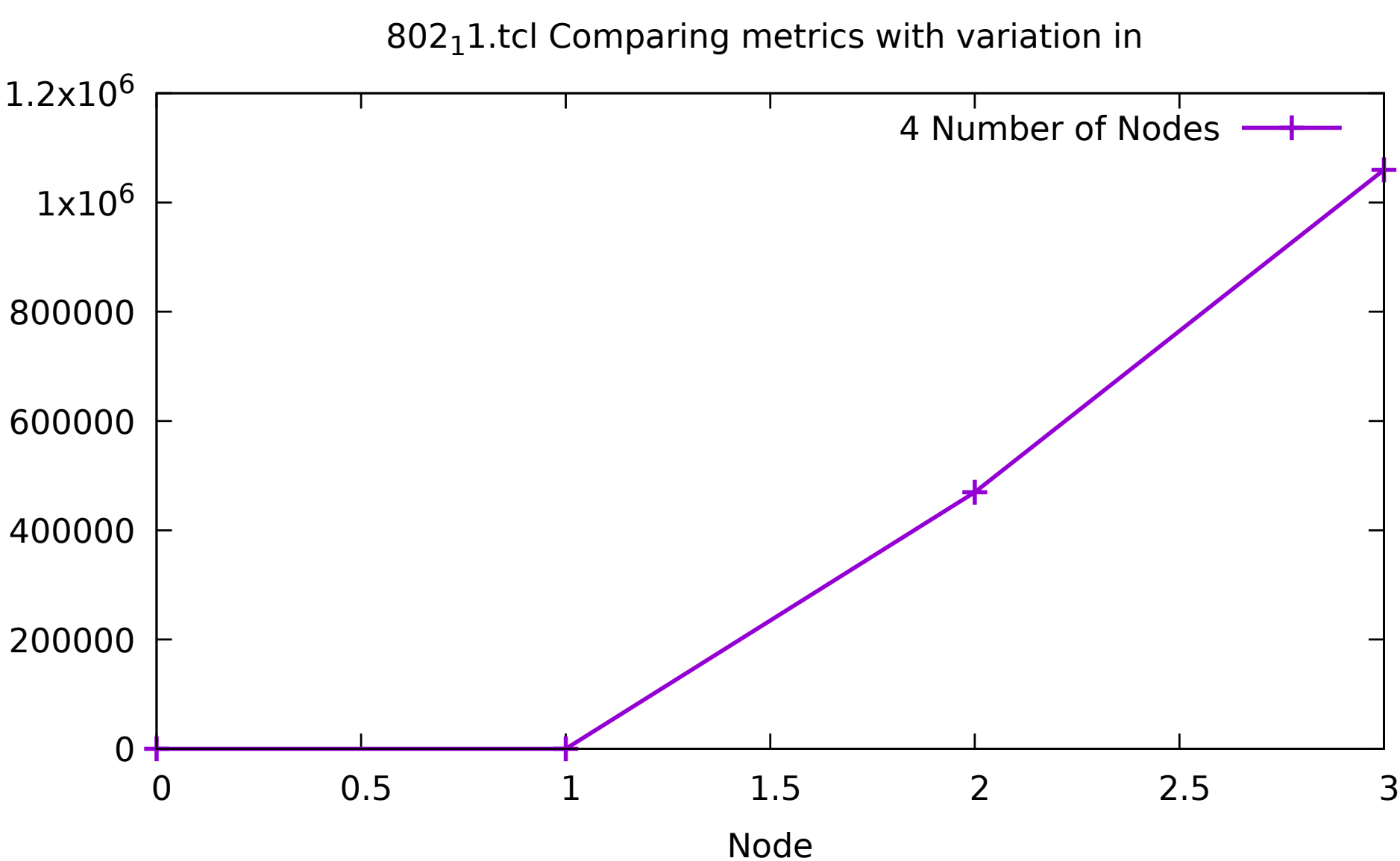
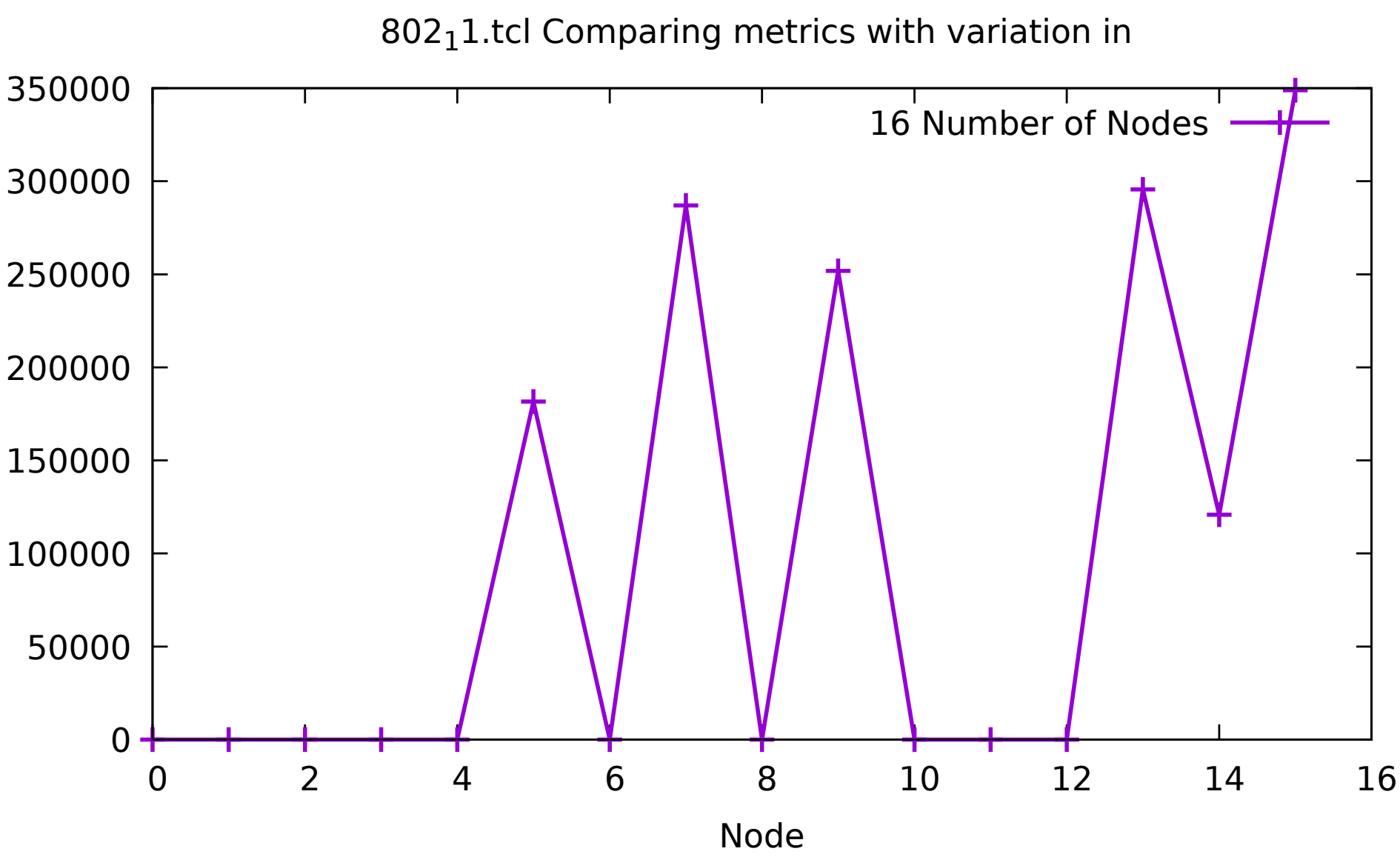
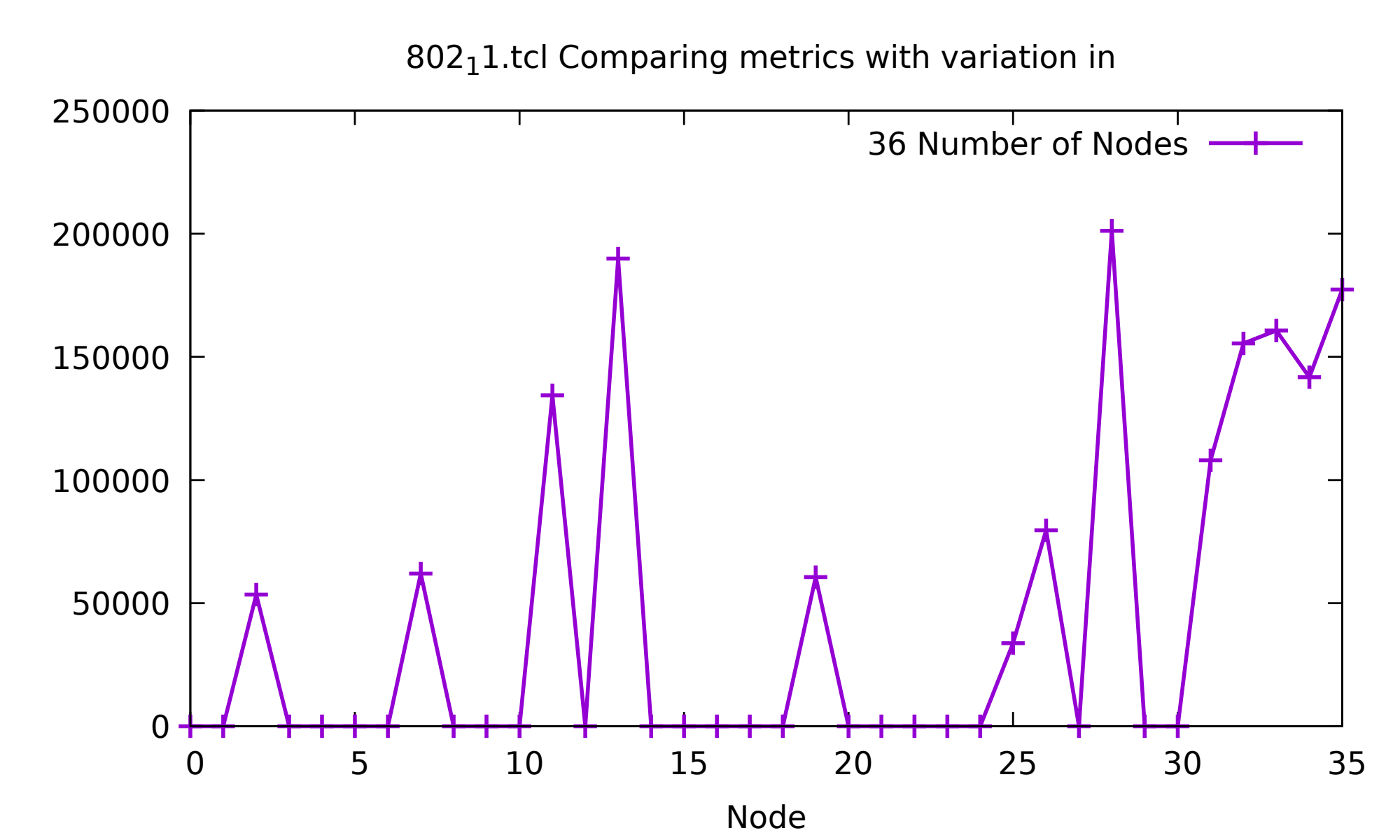
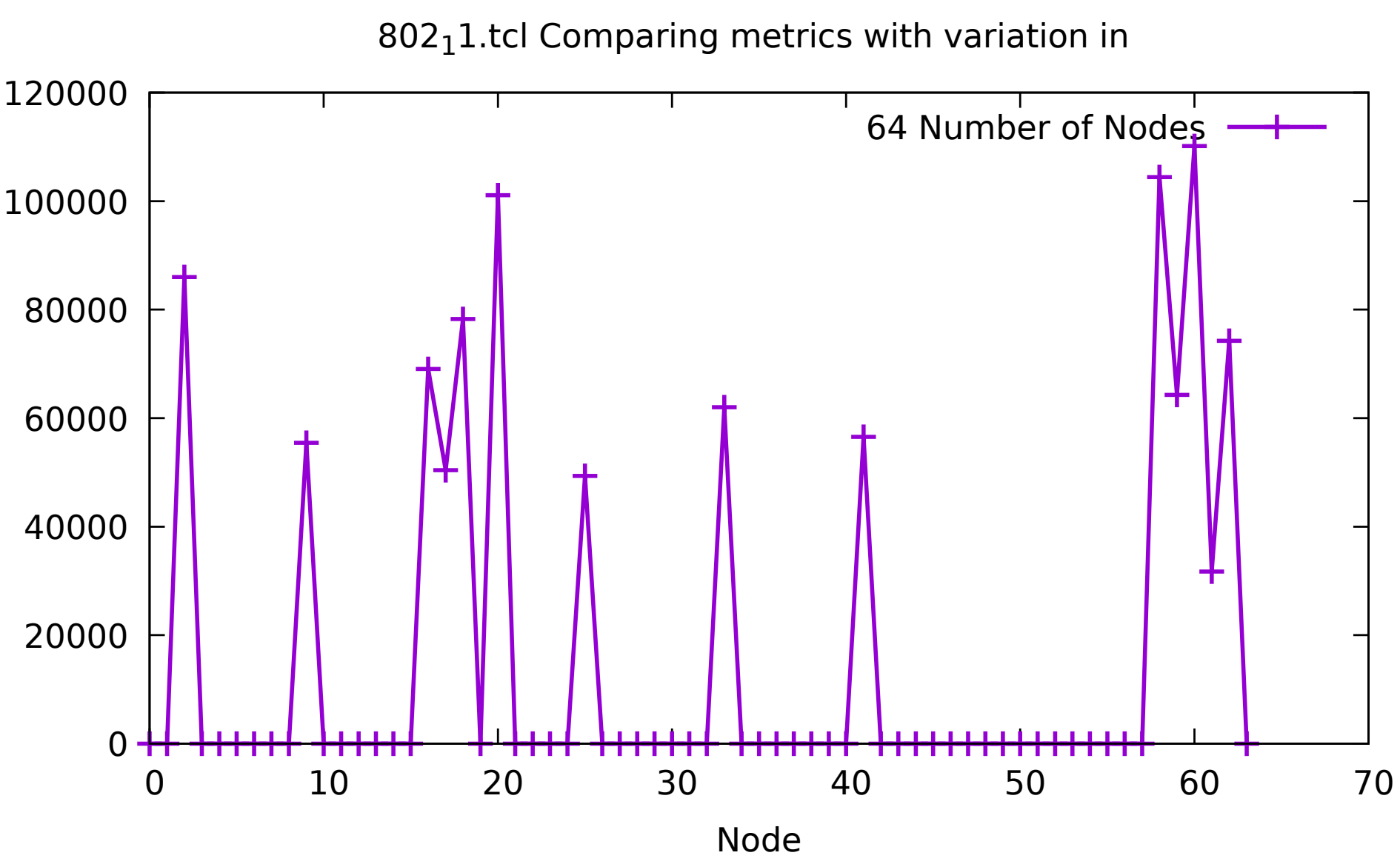
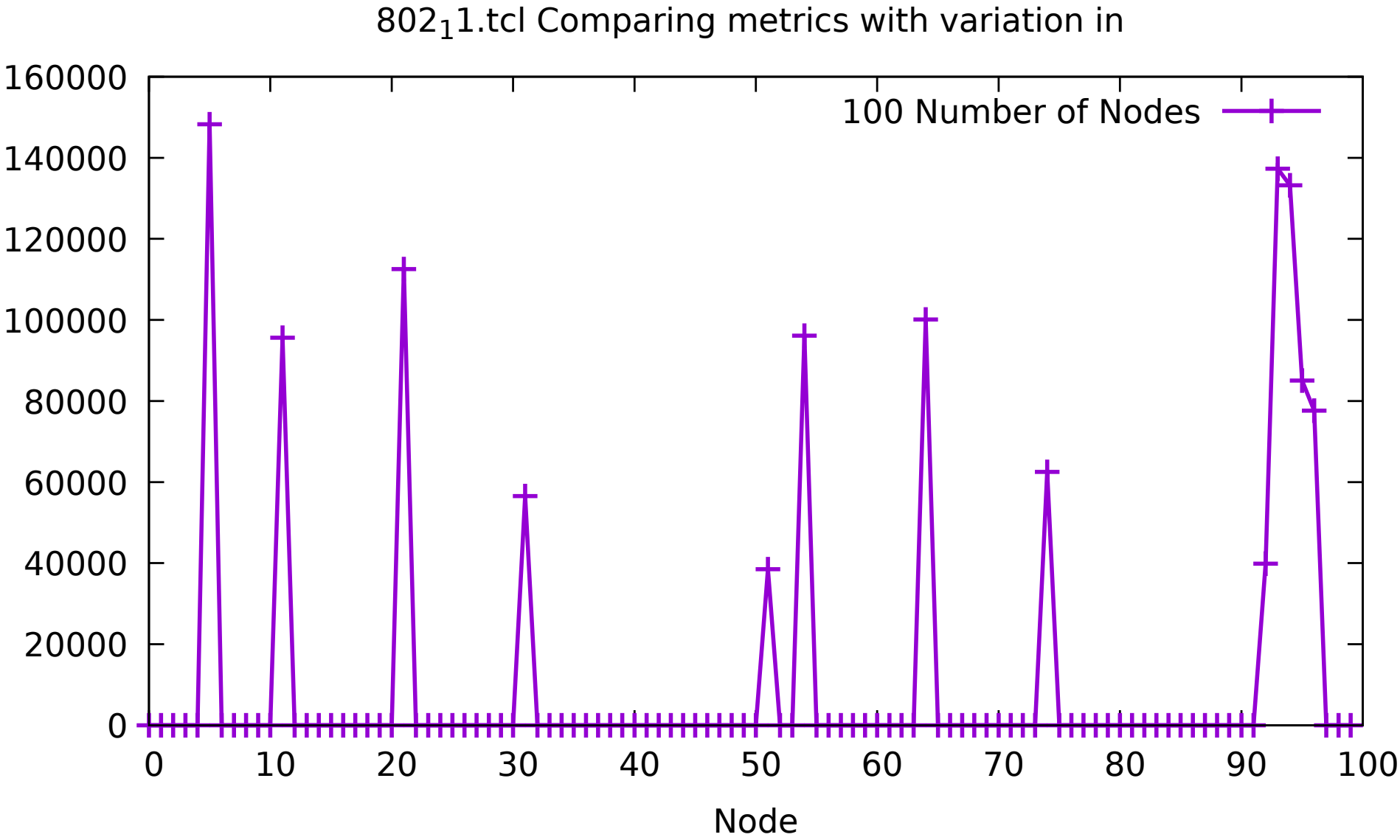
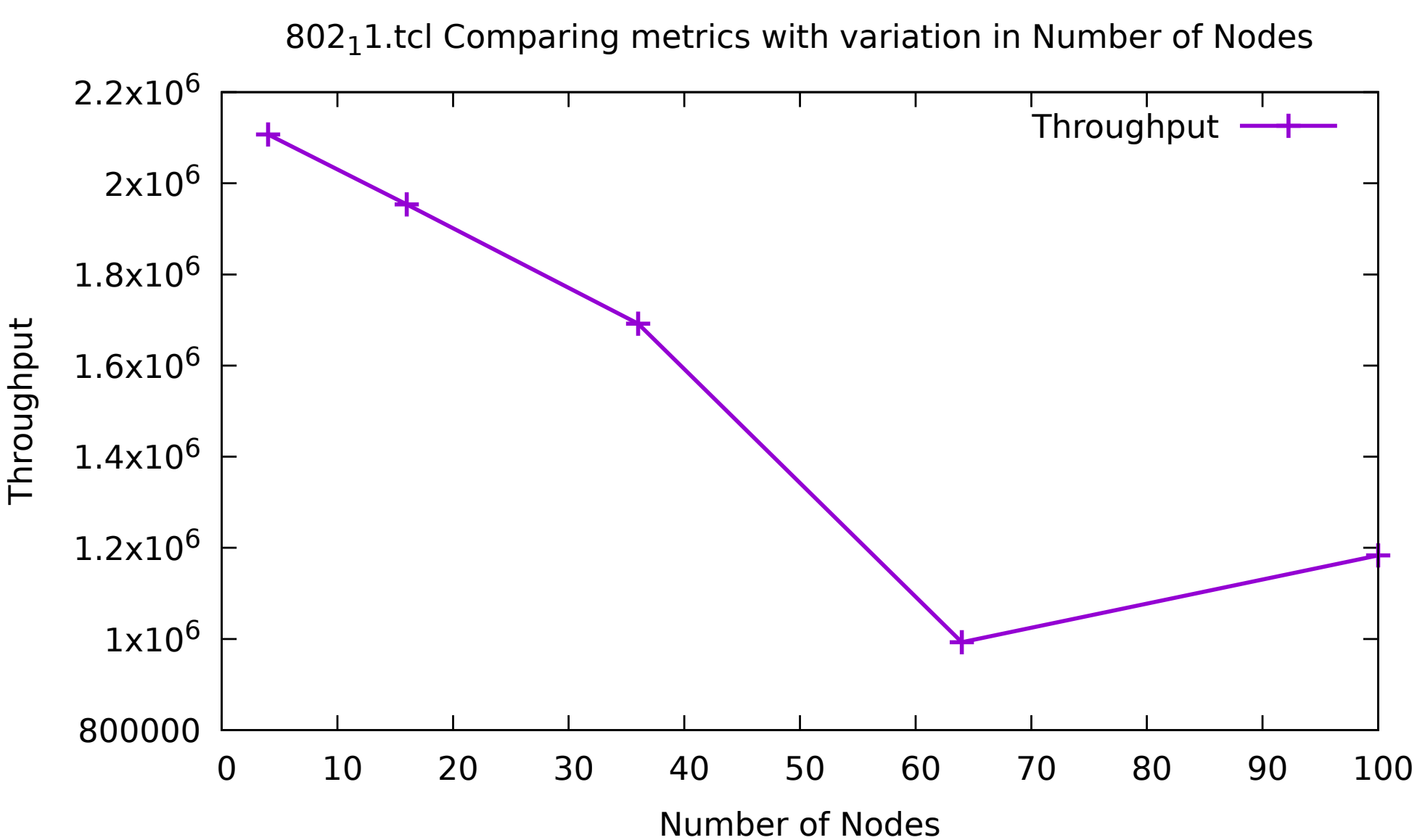

802_11.tcl Comparing metrics with variation in
1.2x10^6
1x10^6
800000
600000
400000
200000
0
4 Number of Nodes
0
0.5
1
1.5
2
2.5
3
Node

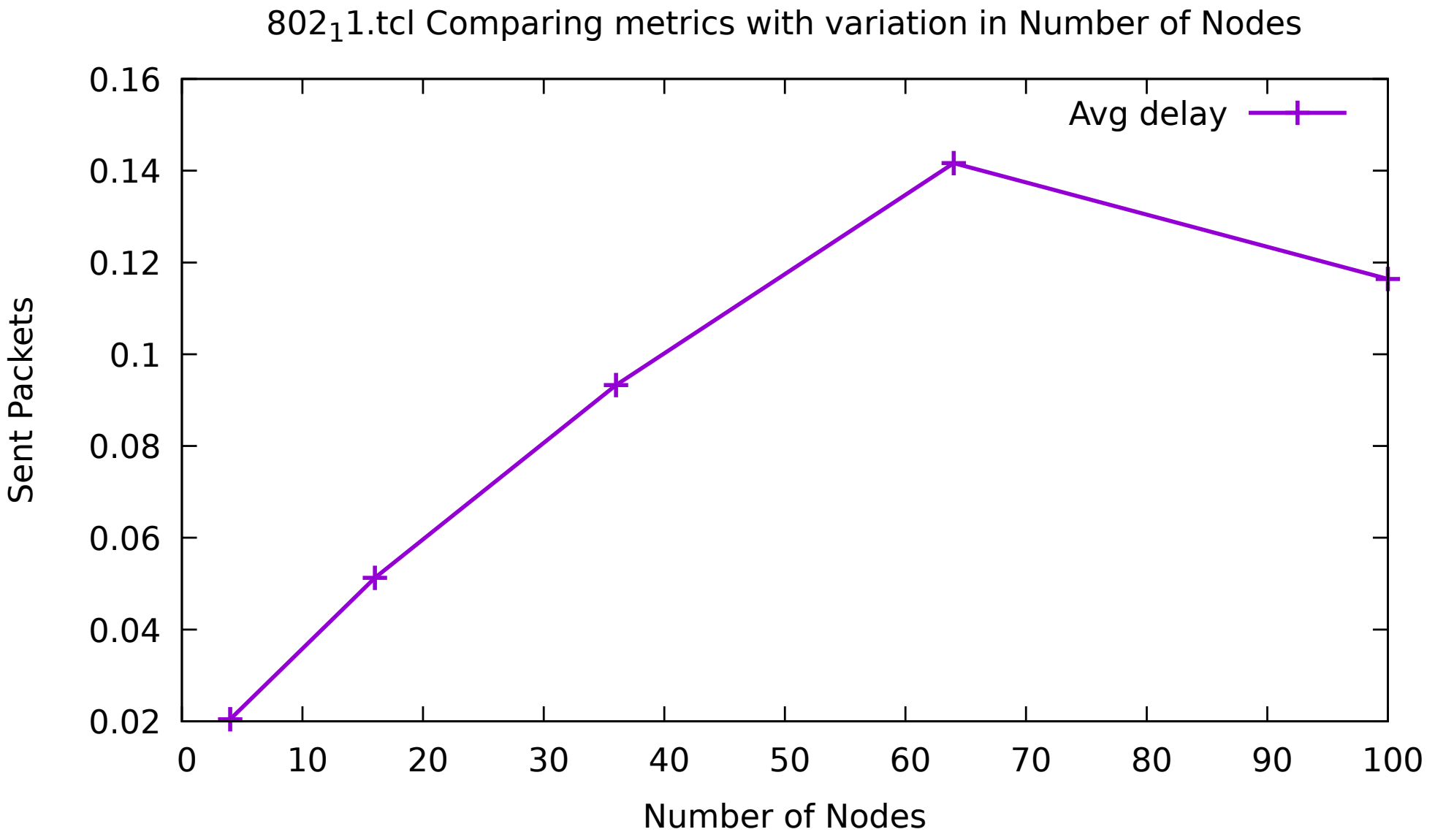

802_11.tcl Comparing metrics with variation in
16 Number of Nodes
350000
300000
250000
200000
150000
100000
50000
0
0
2
4
6
8
10
12
14
16
Node

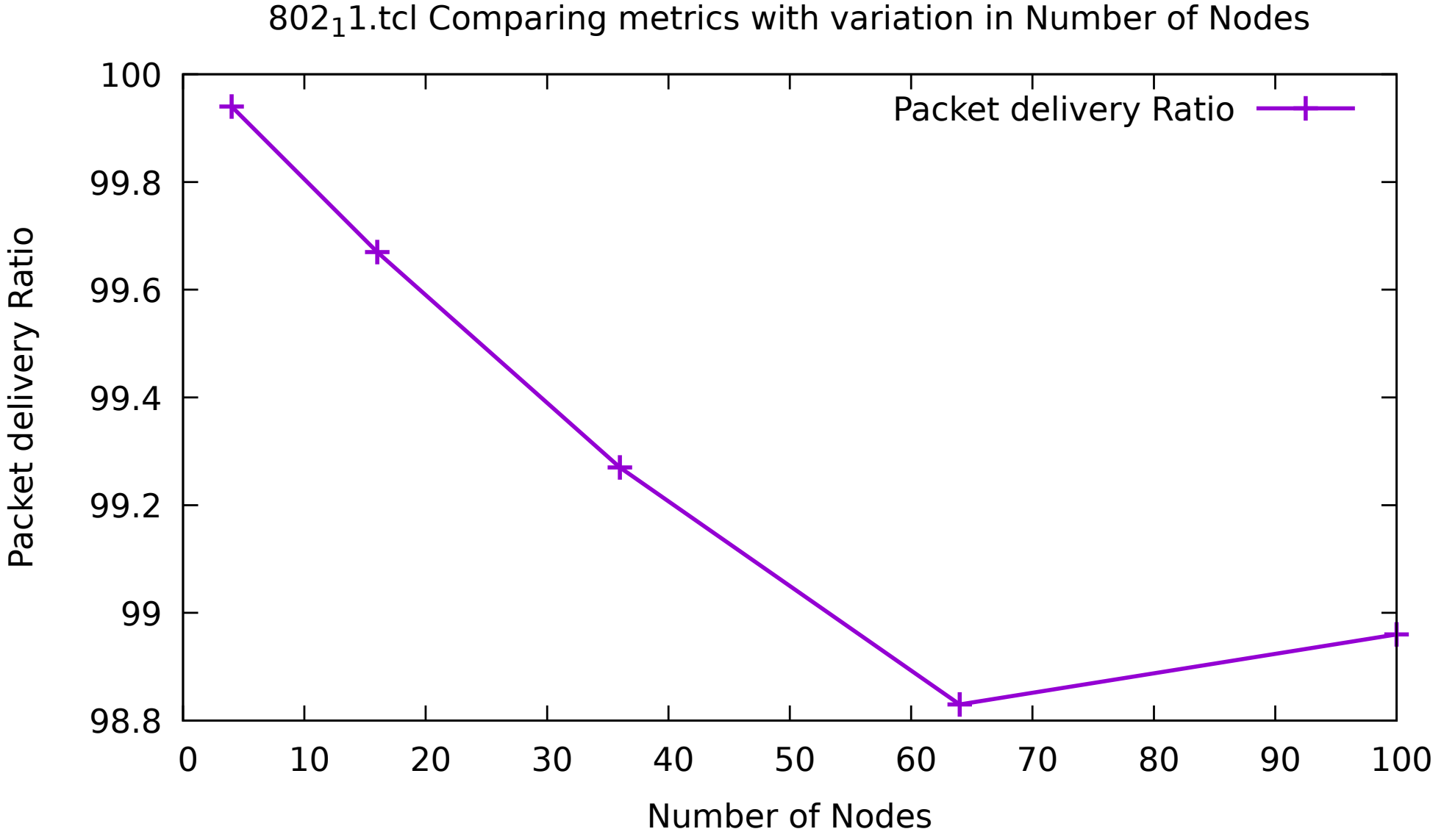

802_11.tcl Comparing metrics with variation in
36 Number of Nodes
250000
200000
150000
100000
50000
0
0
5
10
15
20
25
30
35
Node

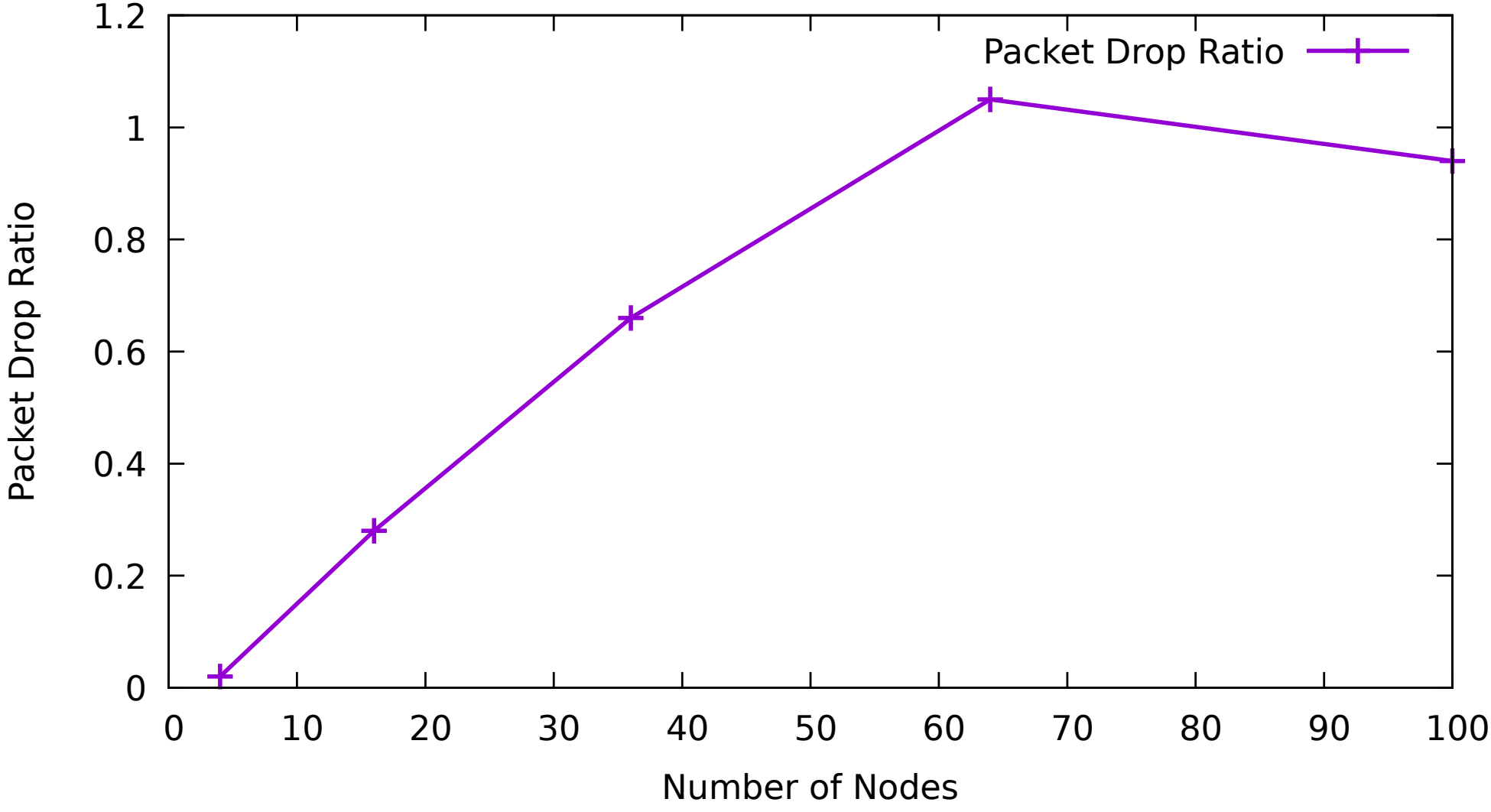

802_11.tcl Comparing metrics with variation in
64 Number of Nodes
120000
100000
80000
60000
40000
20000
0
0
10
20
30
40
50
60
70
Node

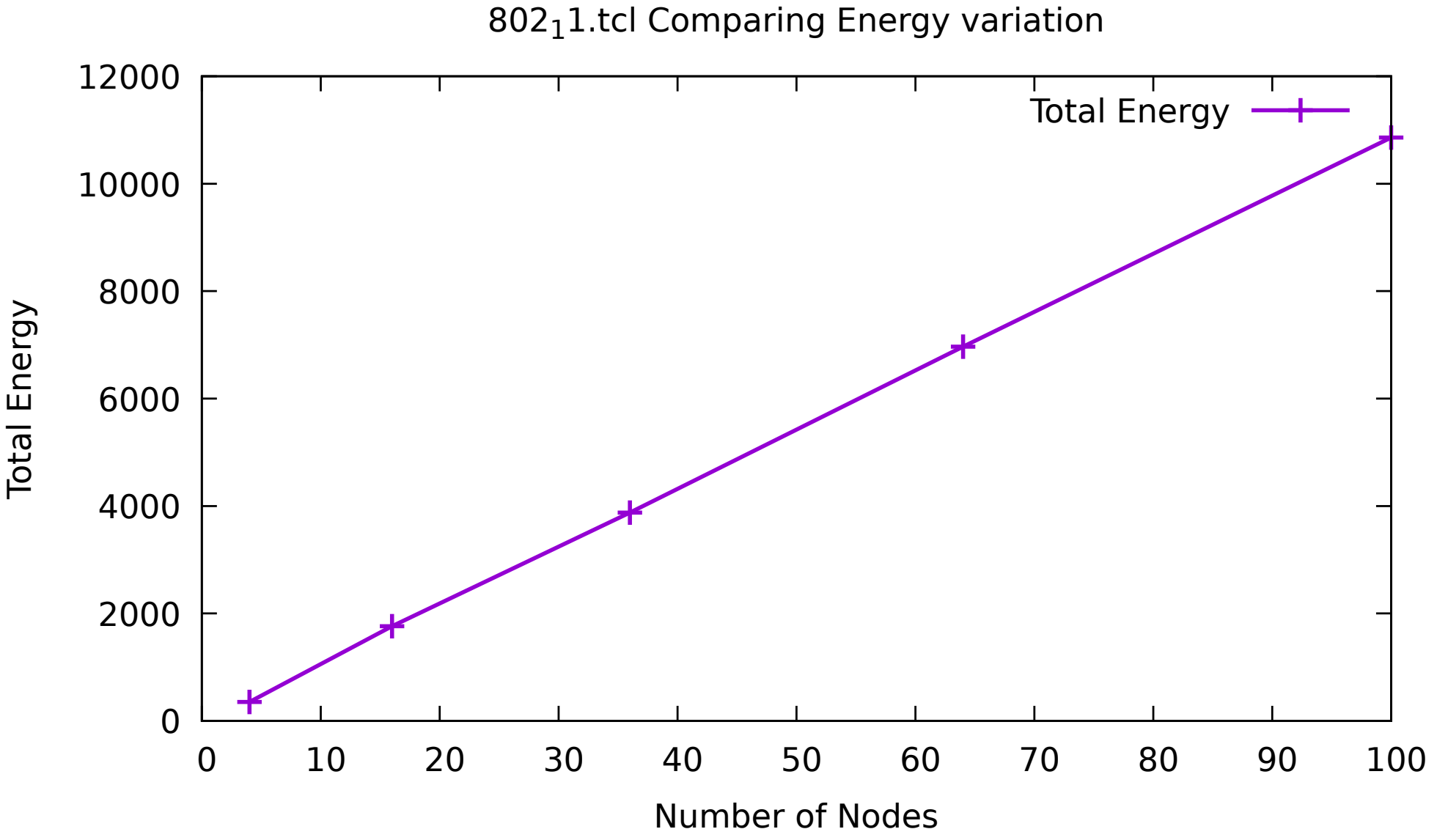

802_11.tcl Comparing metrics with variation in
100 Number of Nodes
160000
140000
120000
100000
80000
60000
40000
20000
0
0
10
20
30
40
50
60
70
80
90
100
Node

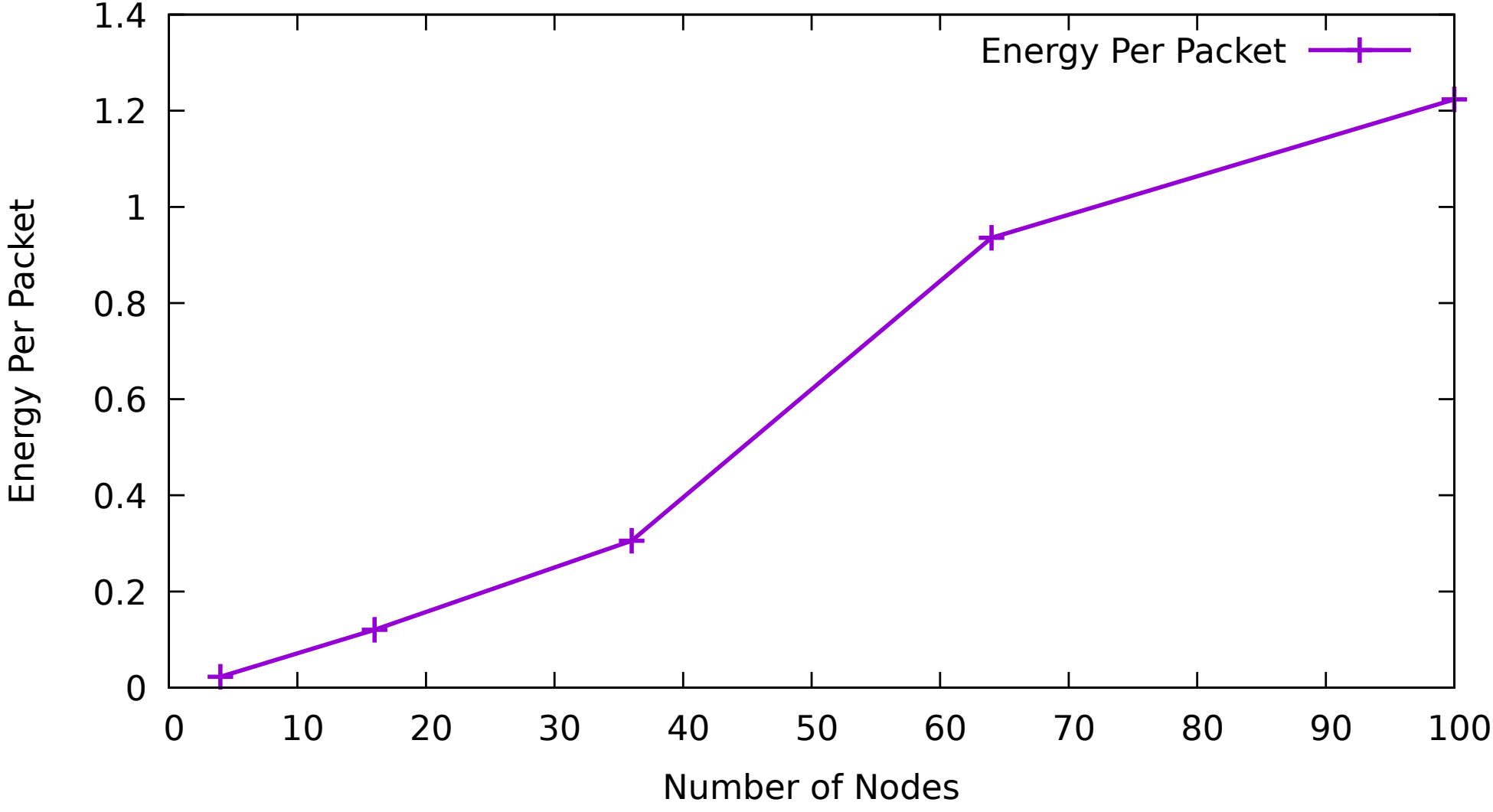

802_11.tcl Comparing metrics with variation in Number of Nodes
Throughput
Number of Nodes
2.2x10^6
2x10^6
1.8x10^6
1.6x10^6
1.4x10^6
1.2x10^6
1x10^6
800000
0
10
20
30
40
50
60
70
80
90
100

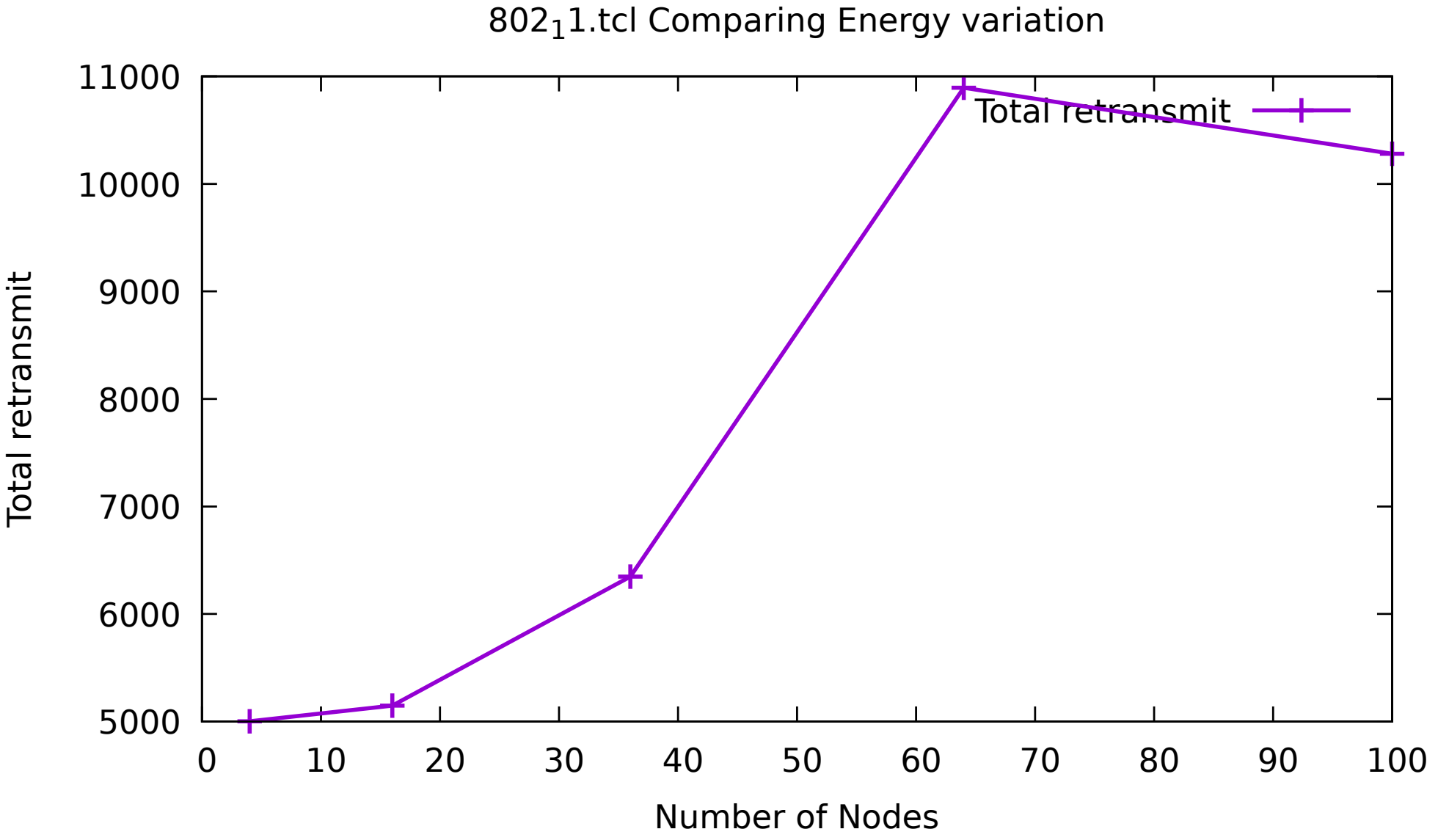

802_11.tcl Comparing metrics with variation in Number of Nodes
Avg delay
Sent Packets
Number of Nodes
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
10
20
30
40
50
60
70
80
90
100

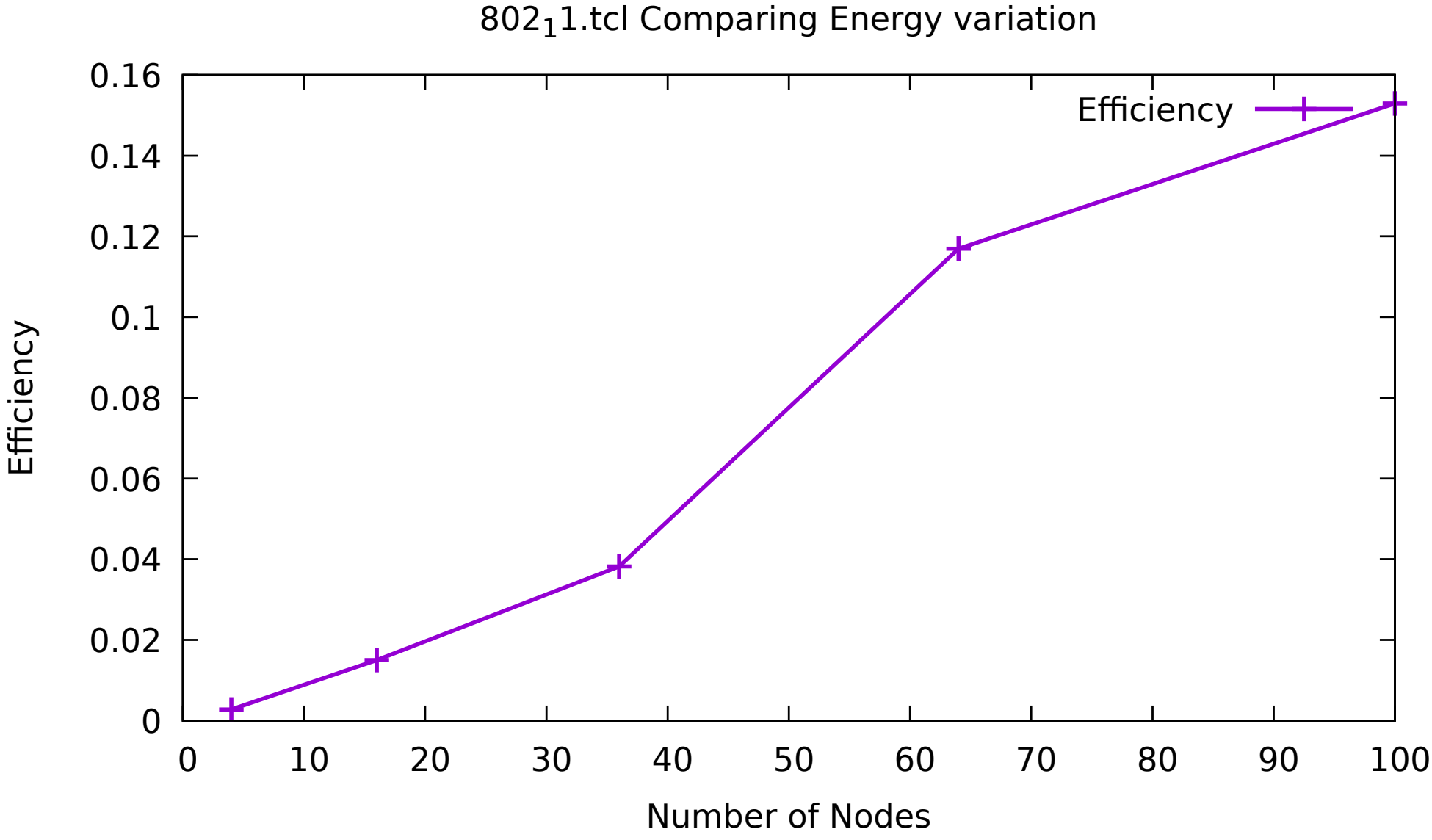

802_11.tcl Comparing metrics with variation in Number of Nodes
Packet delivery Ratio
Packet delivery Ratio
Number of Nodes
100
99.8
99.6
99.4
99.2
99
98.8
0
10
20
30
40
50
60
70
80
90
100

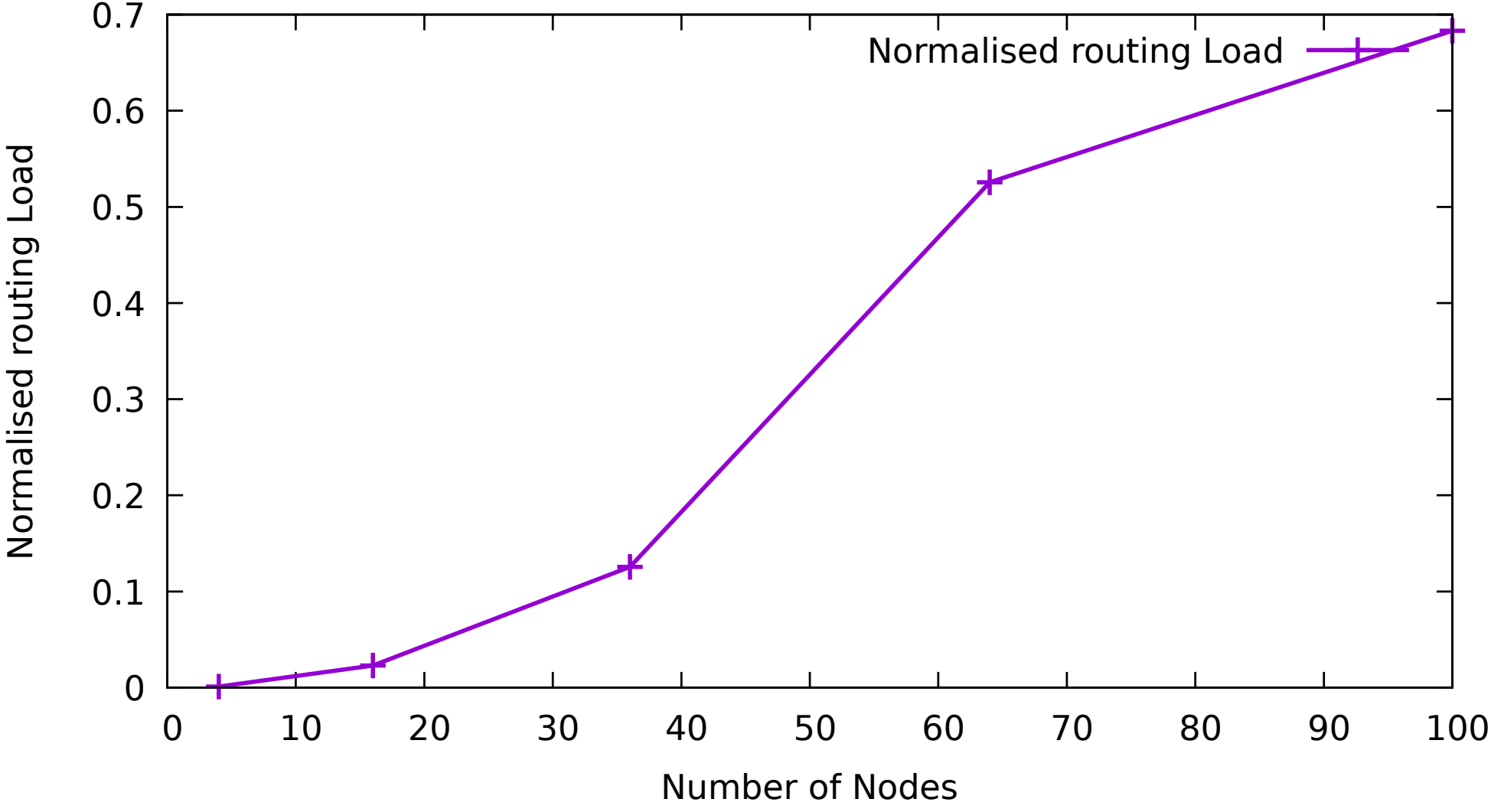

802_11.tcl Comparing metrics with variation in Number of Nodes
Packet Drop Ratio
Packet Drop Ratio
Number of Nodes
0
0.2
0.4
0.6
0.8
1
1.2
0
10
20
30
40
50
60
70
80
90
100

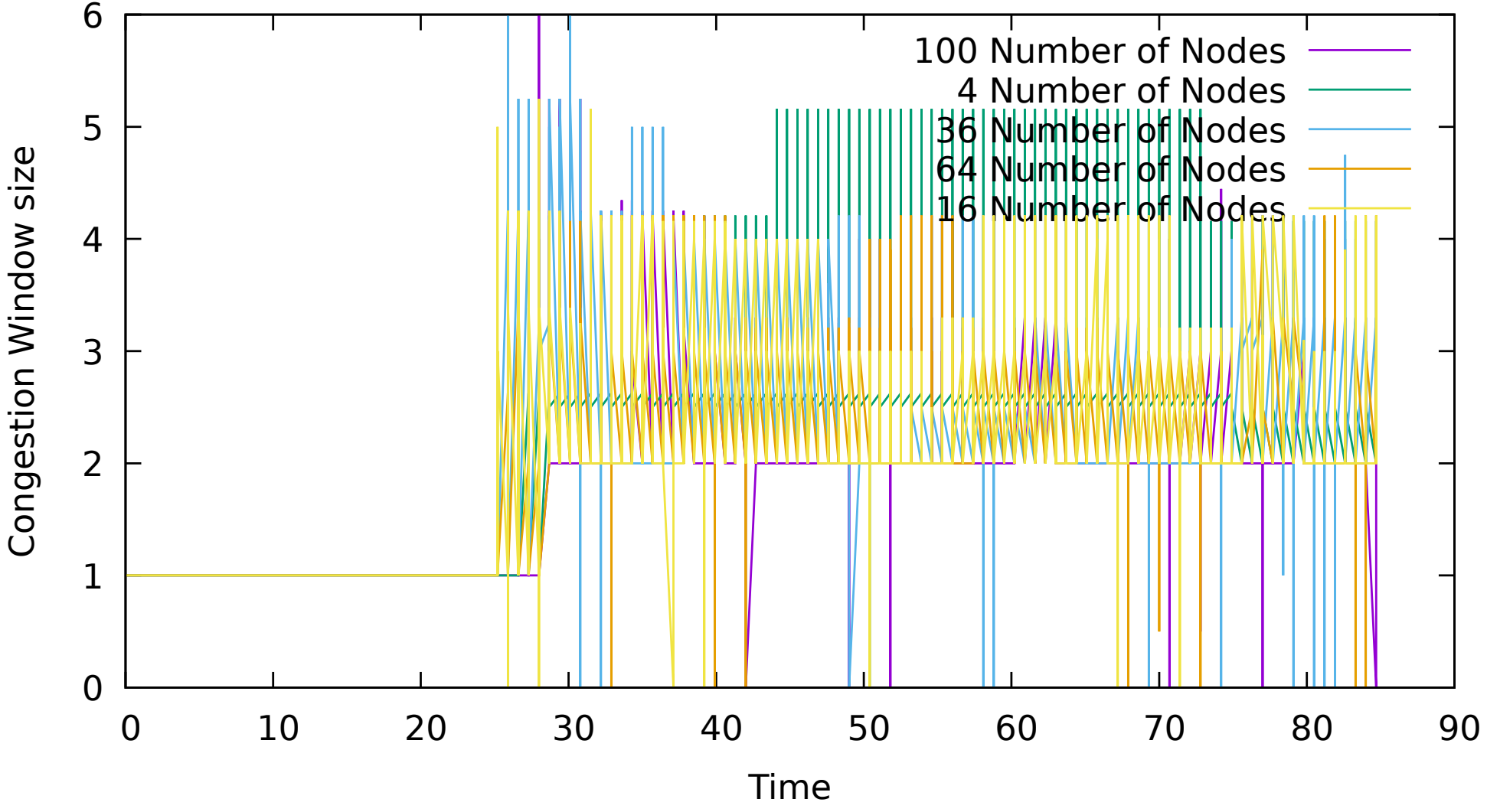

802_11.tcl Comparing Energy variation
Total Energy
12000
10000
8000
6000
4000
2000
0
Total Energy
0
10
20
30
40
50
60
70
80
90
100
Number of Nodes

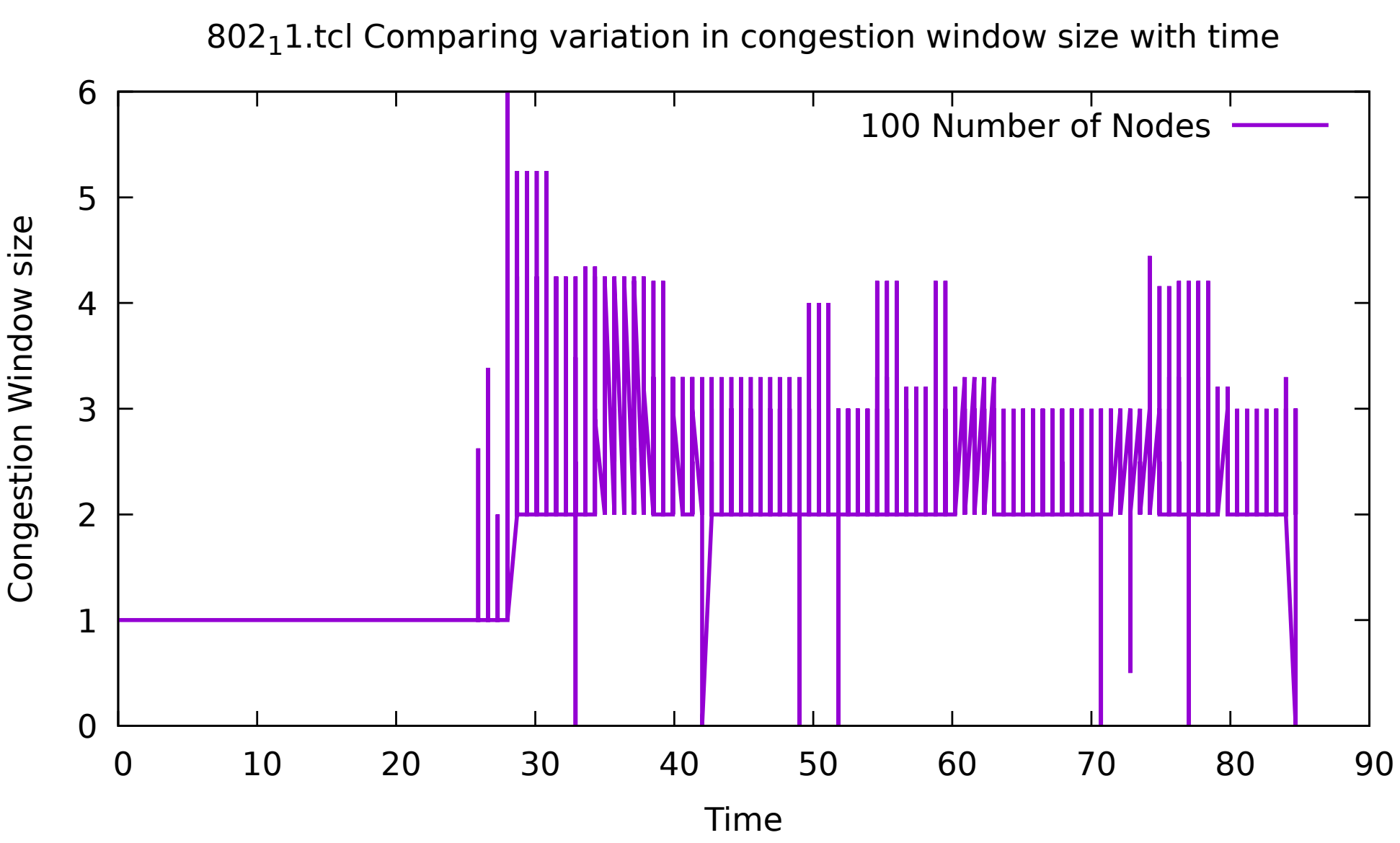

802_11.tcl Comparing Energy variation
Energy Per Packet
Energy Per Packet
Number of Nodes
0
0.2
0.4
0.6
0.8
1
1.2
1.4
0
10
20
30
40
50
60
70
80
90
100

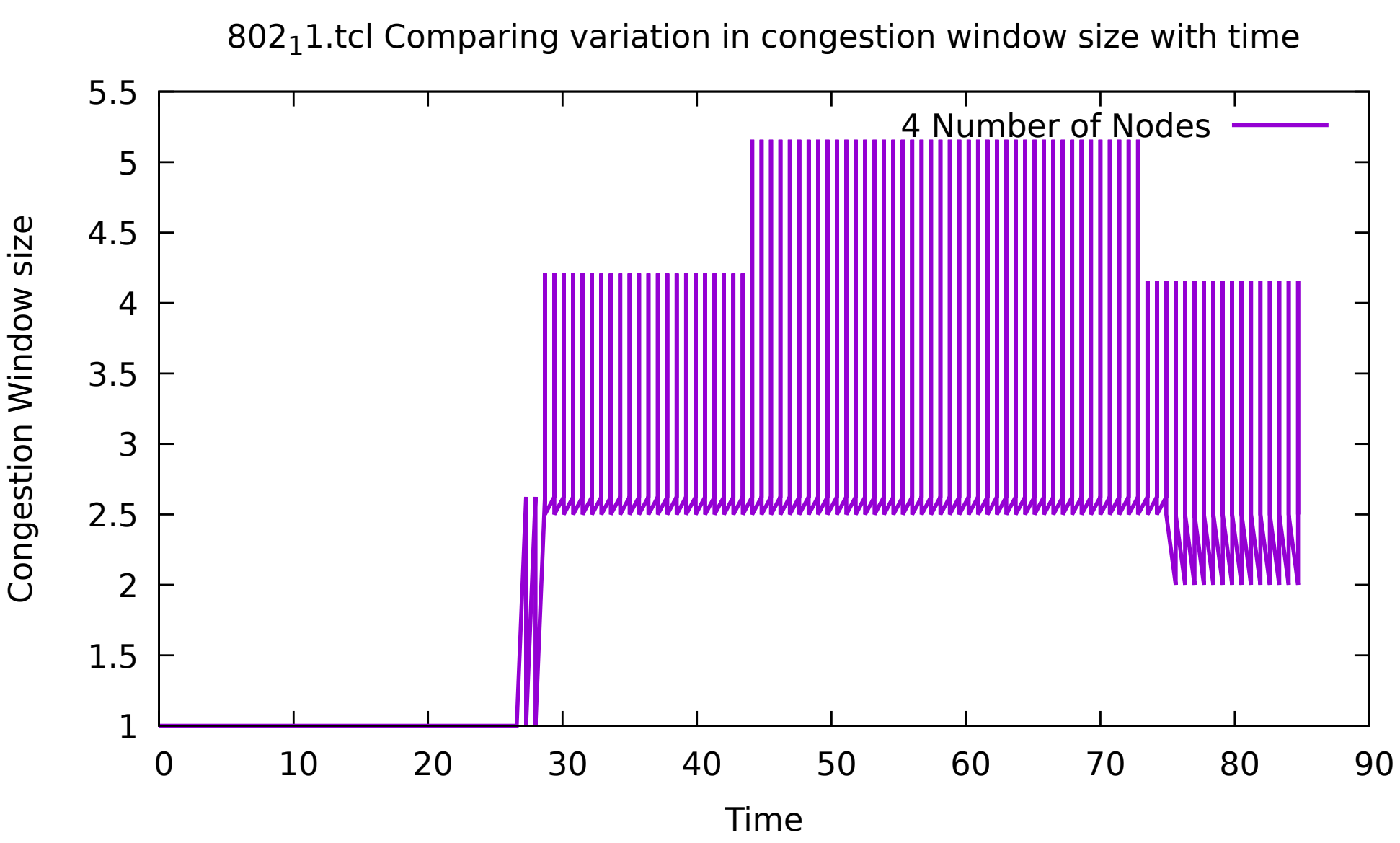

802_11.tcl Comparing Energy variation
Total retransmit
11000
10000
9000
8000
7000
6000
5000
0
10
20
30
40
50
60
70
80
90
100
Total retransmit
Number of Nodes

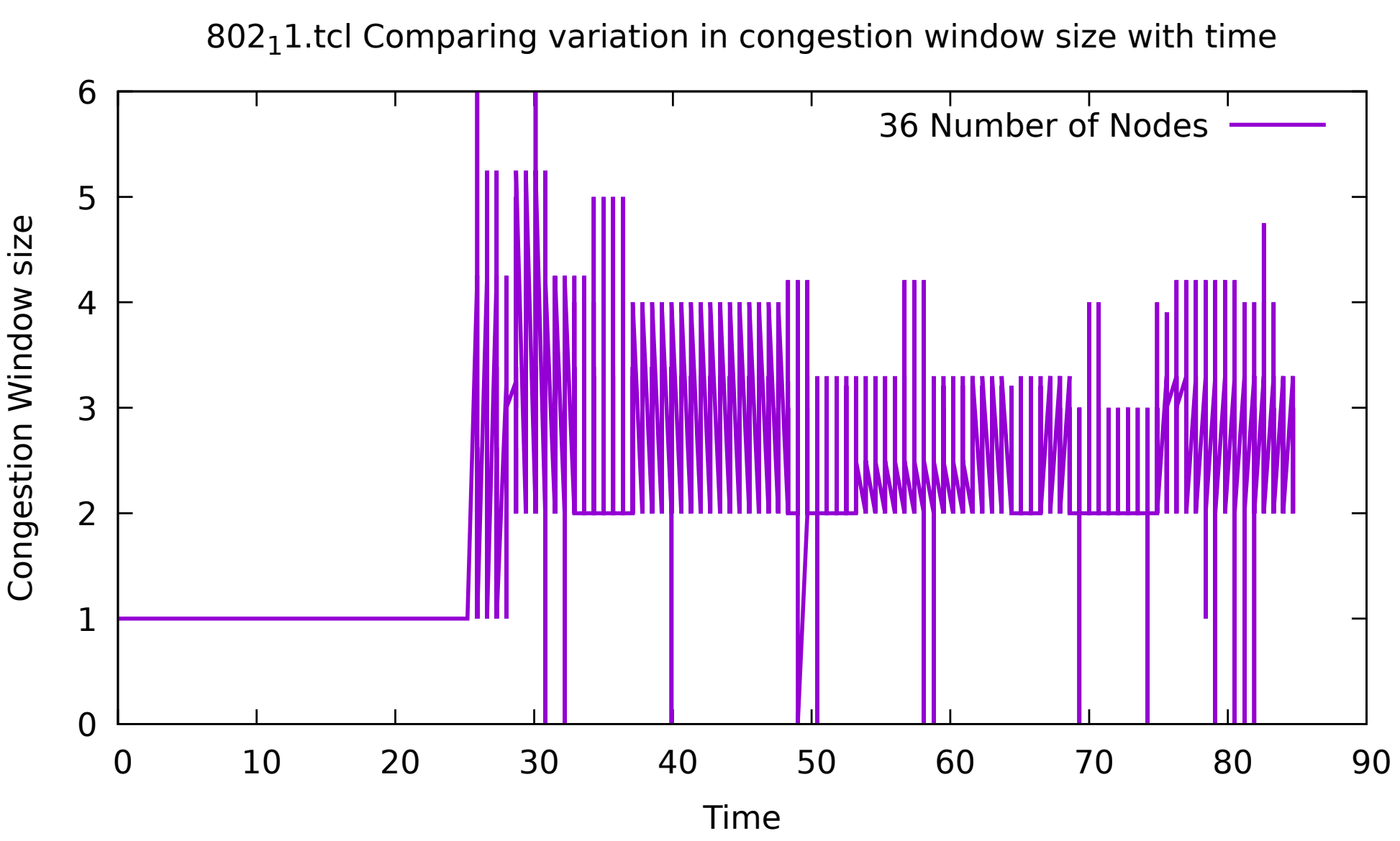

802_11.tcl Comparing Energy variation
Efficiency
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Efficiency
0
10
20
30
40
50
60
70
80
90
100
Number of Nodes

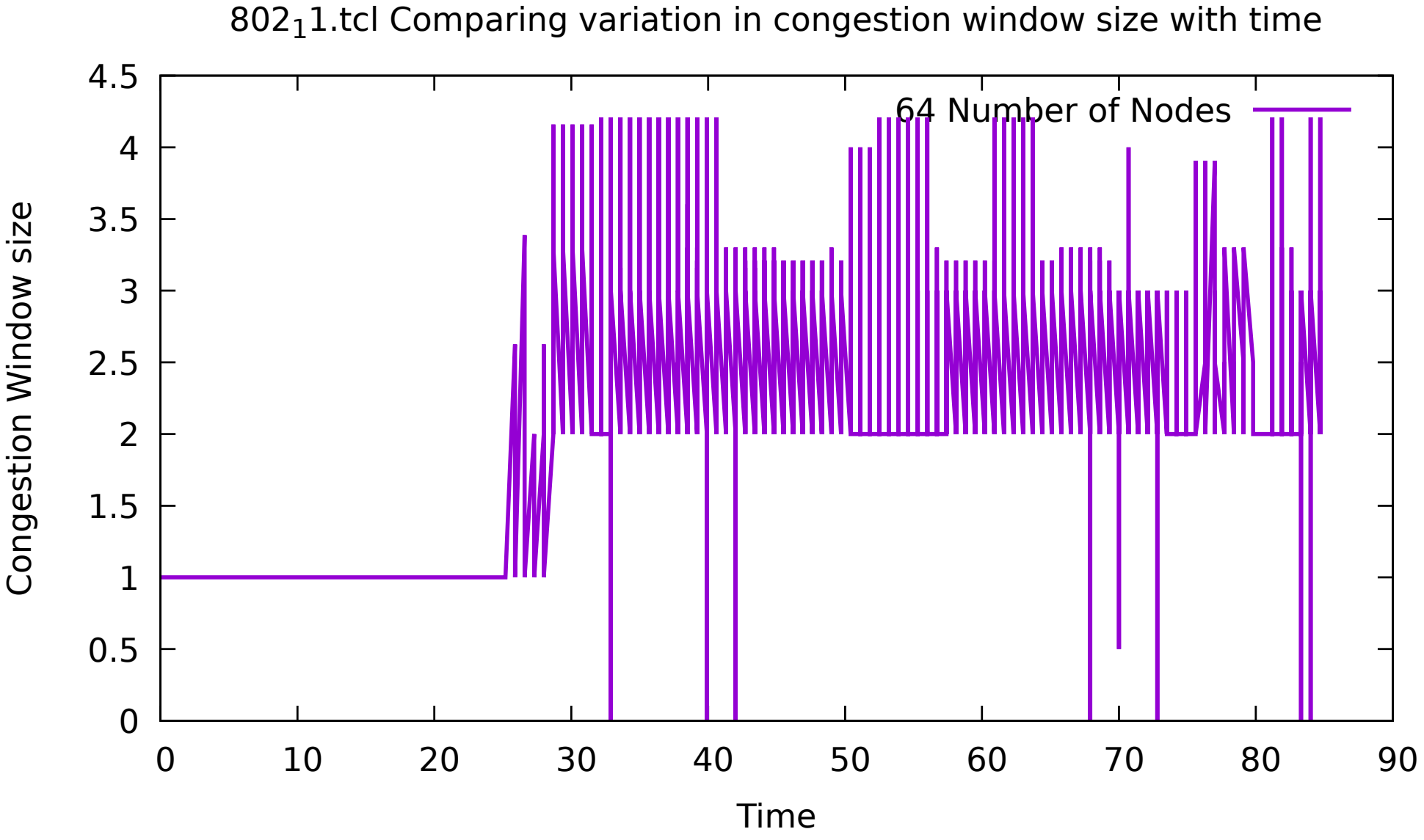

802_11.tcl Comparing Energy variation
Normalised routing Load
Normalised routing Load
Number of Nodes
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
10
20
30
40
50
60
70
80
90
100

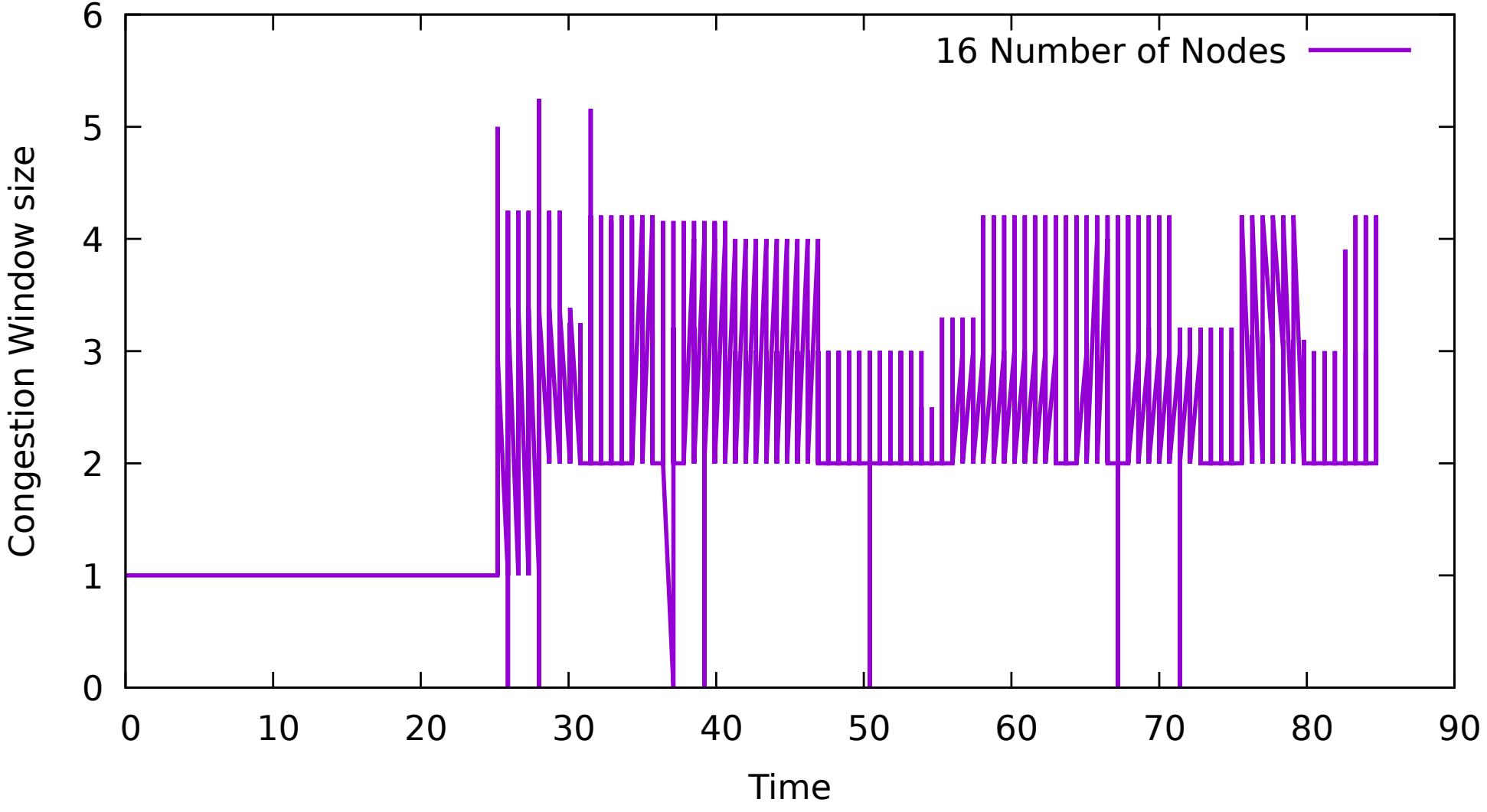

802_11.tcl Comparing variation in congestion window size with time
Congestion Window size
Time
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
80
90
100 Number of Nodes
4 Number of Nodes
36 Number of Nodes
64 Number of Nodes
16 Number of Nodes


802_11.tcl Comparing variation in congestion window size with time
100 Number of Nodes
Congestion Window size
Time
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
80
90


802_11.tcl Comparing variation in congestion window size with time
4 Number of Nodes
Congestion Window size
Time
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10
20
30
40
50
60
70
80
90


802_11.tcl Comparing variation in congestion window size with time
36 Number of Nodes
Congestion Window size
Time
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
80
90


802_11.tcl Comparing variation in congestion window size with time
64 Number of Nodes
Congestion Window size
Time
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
0
10
20
30
40
50
60
70
80
90


802_11.tcl Comparing variation in congestion window size with time
16 Number of Nodes
Congestion Window size
Time
0
1
2
3
4
5
6
0
10
20
30
40
50
60
70
80
90