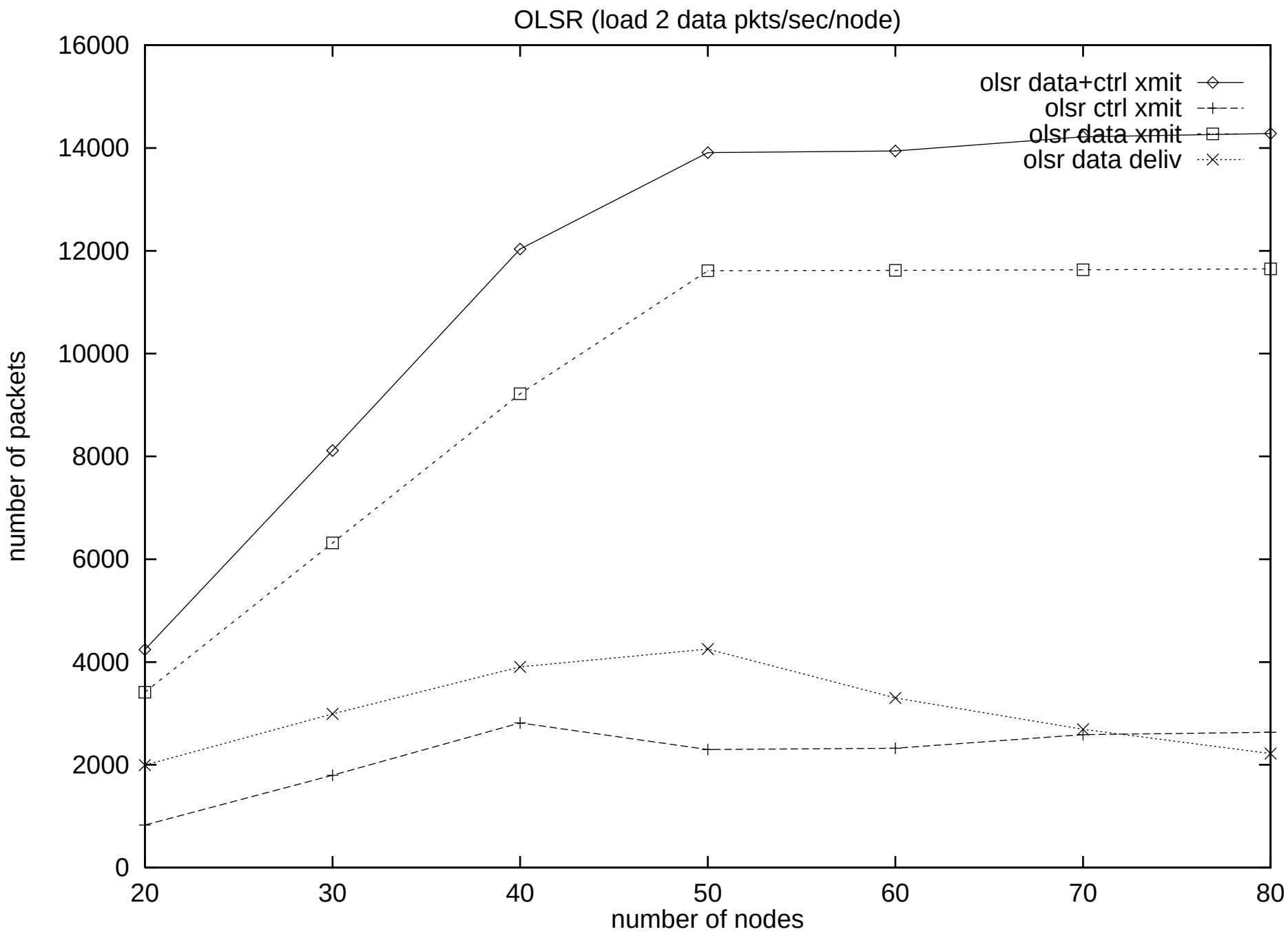
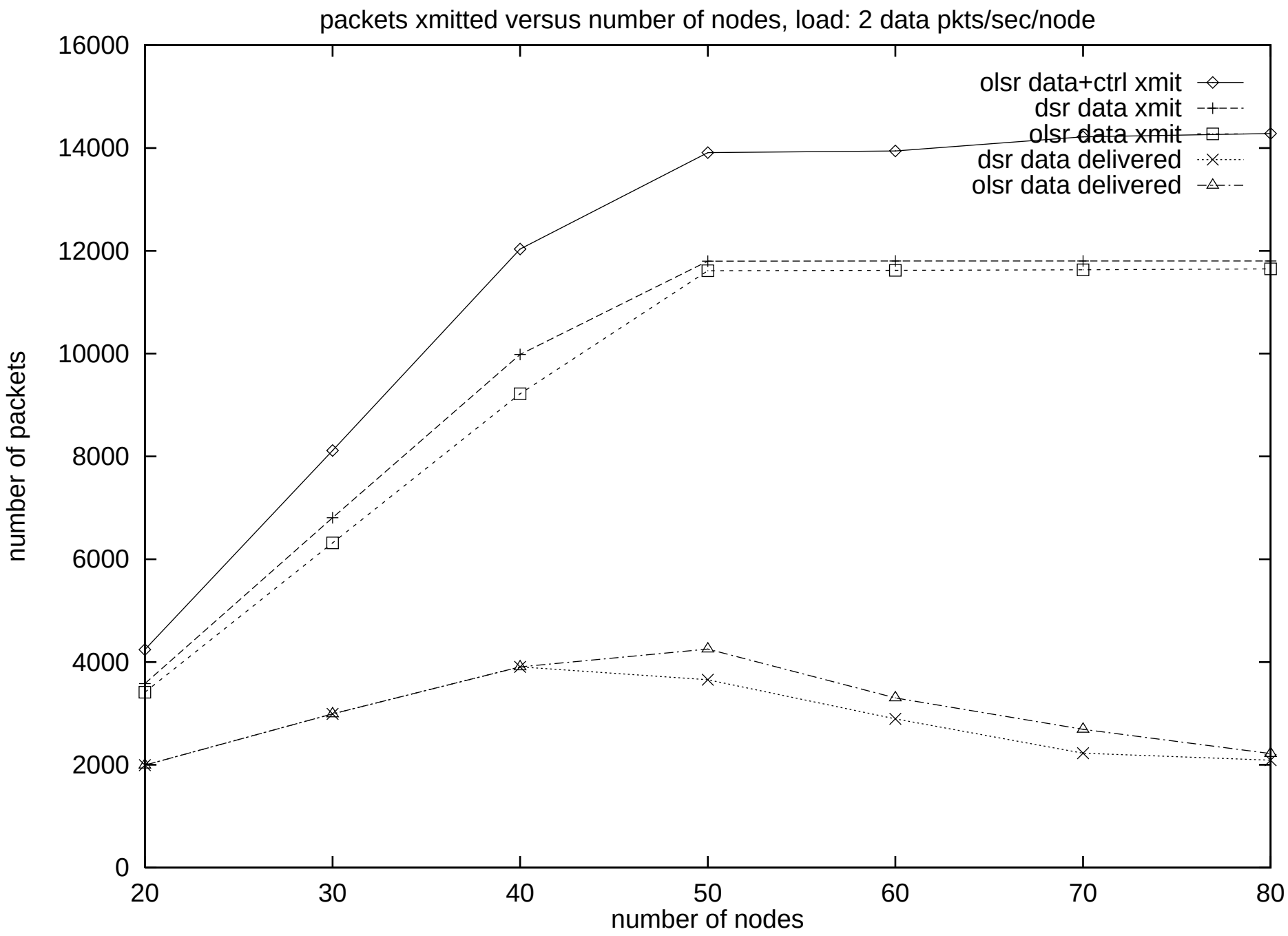
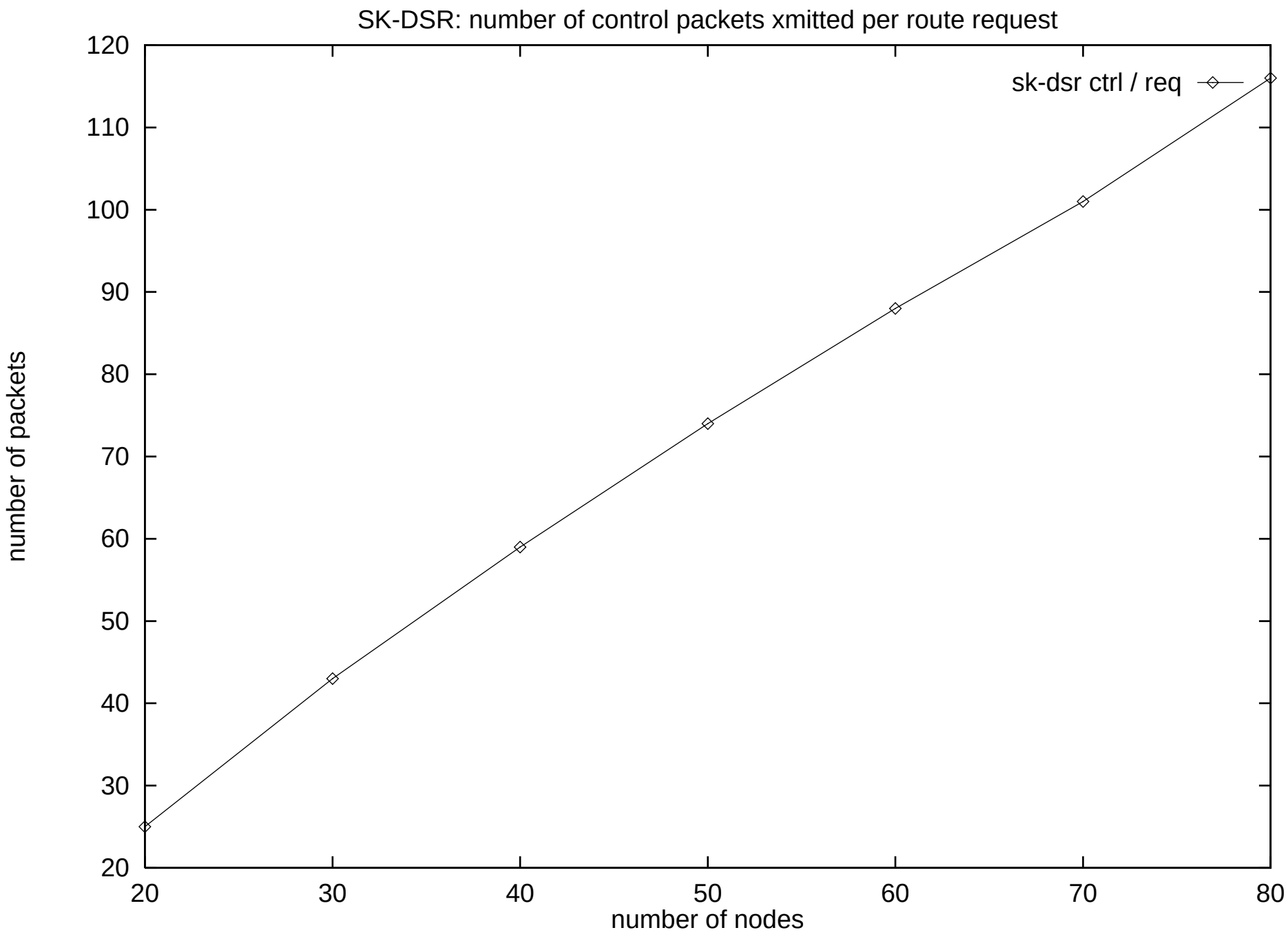
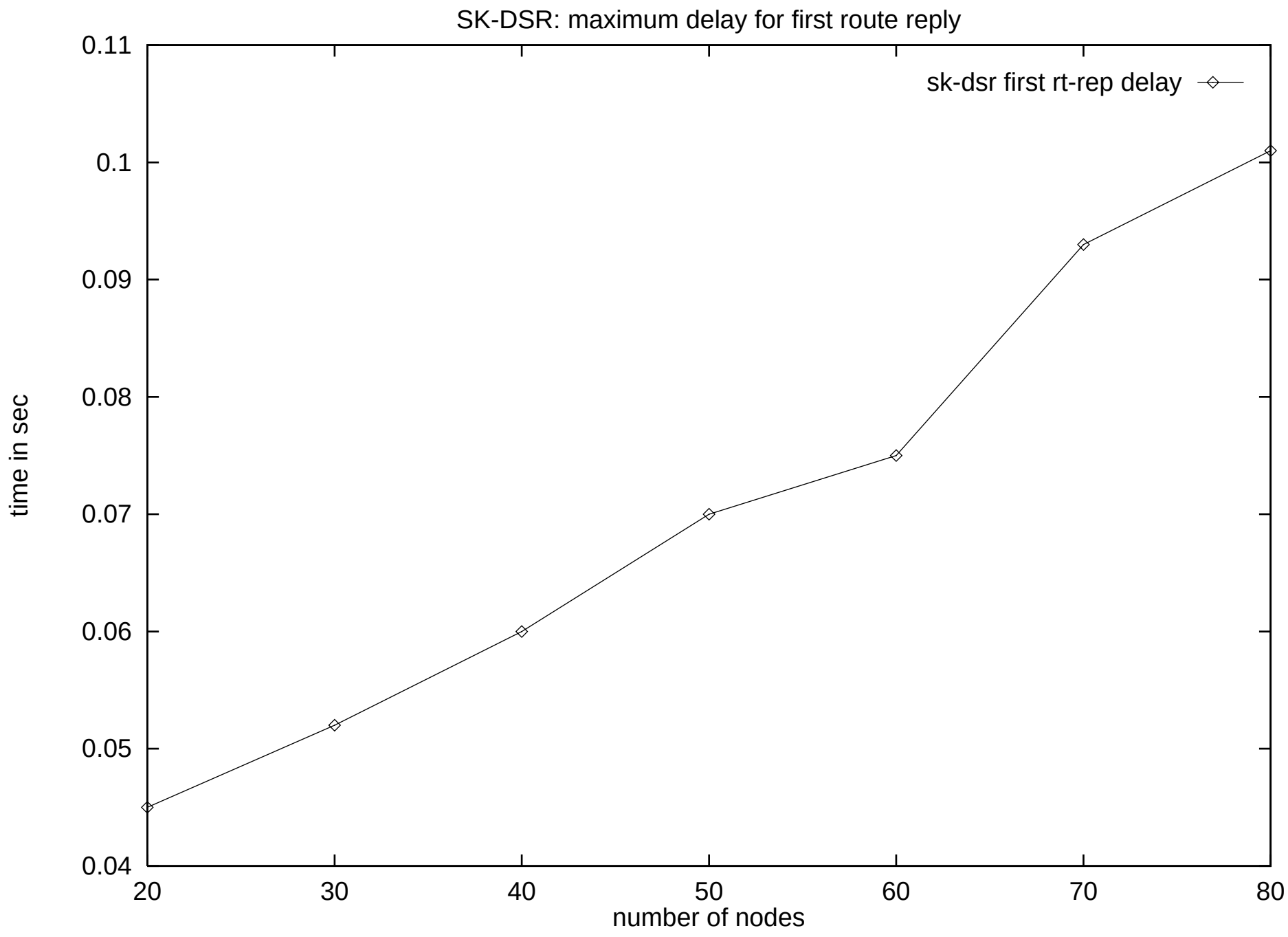
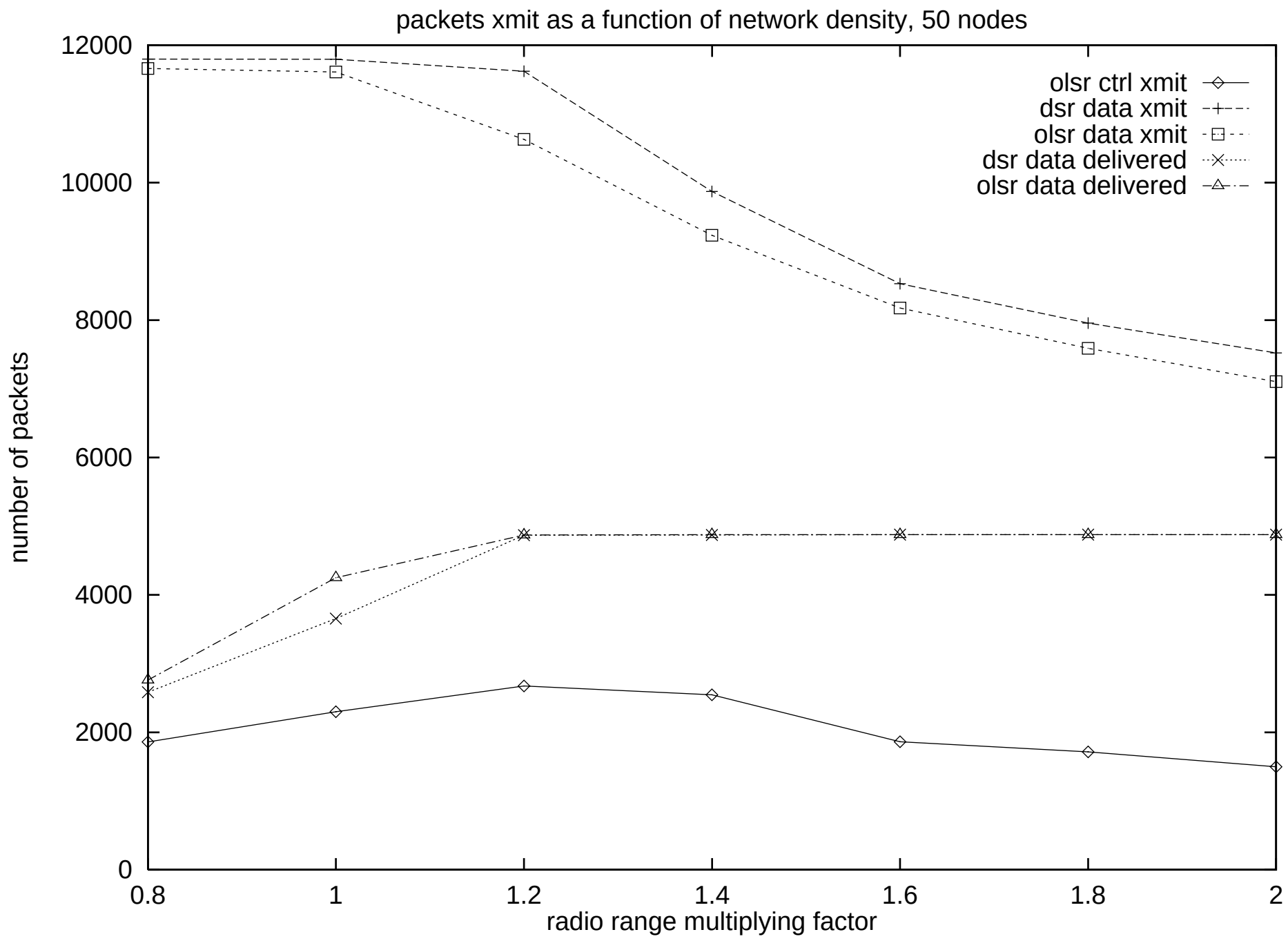
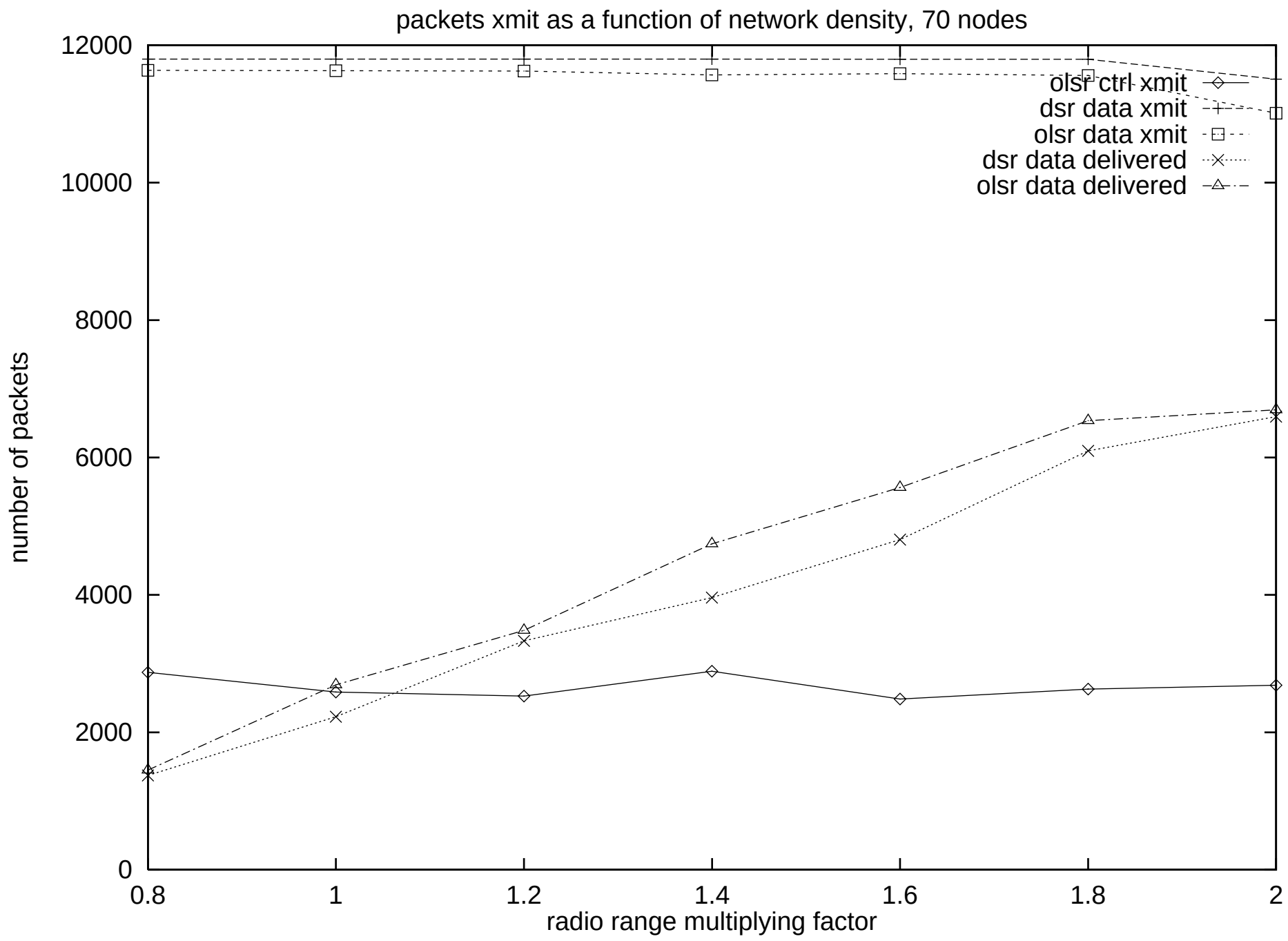

OLSR (load 2 data pkts/sec/node)
olsr data+ctrl xmit
olsr ctrl xmit
olsr data xmit
olsr data deliv
number of packets
number of nodes
0
2000
4000
6000
8000
10000
12000
14000
16000
20
30
40
50
60
70
80

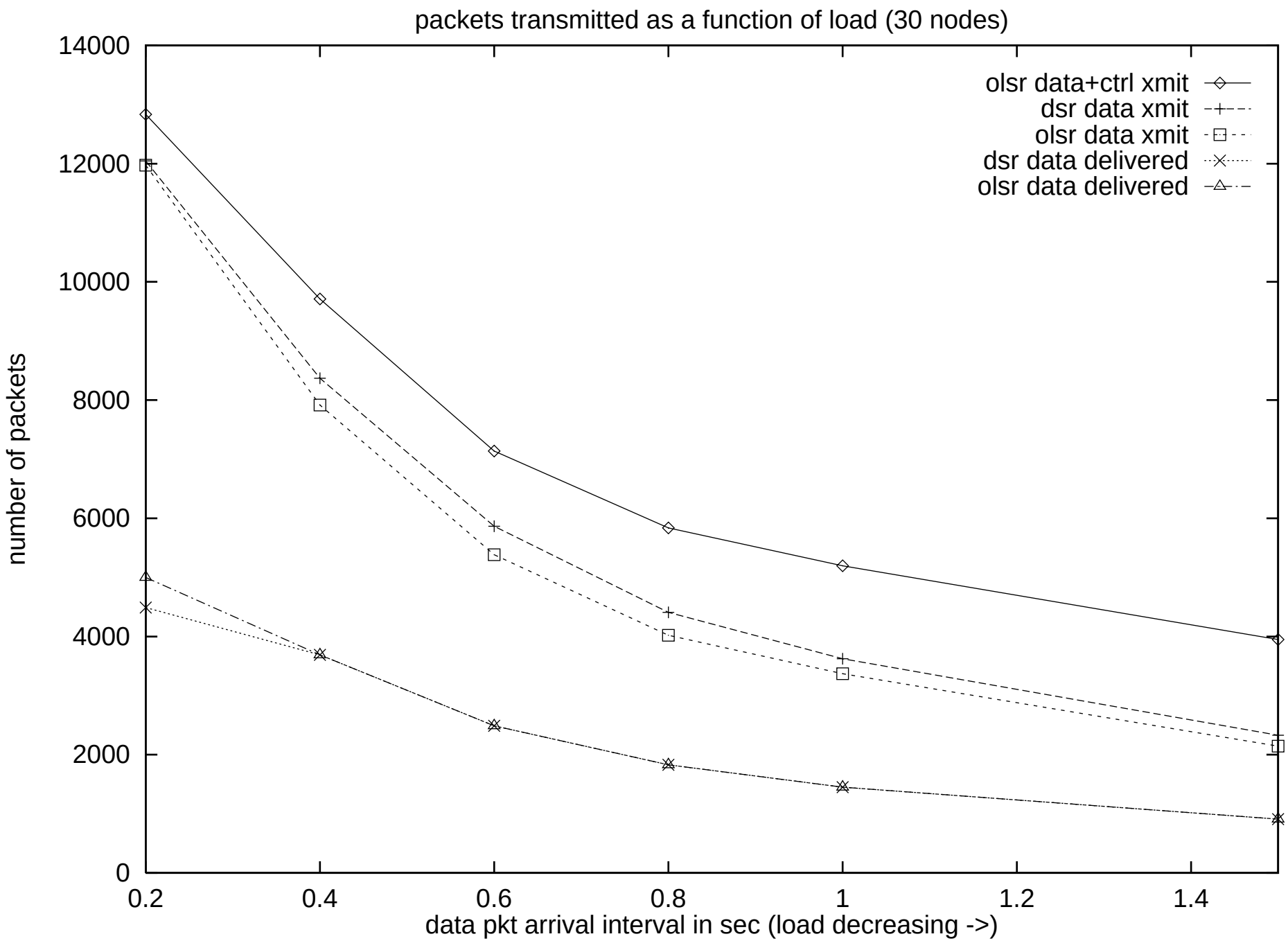

packets xmitted versus number of nodes, load: 2 data pkts/sec/node
number of packets
number of nodes
0
2000
4000
6000
8000
10000
12000
14000
16000
20
30
40
50
60
70
80
olsr data+ctrl xmit
dsr data xmit
olsr data xmit
dsr data delivered
olsr data delivered

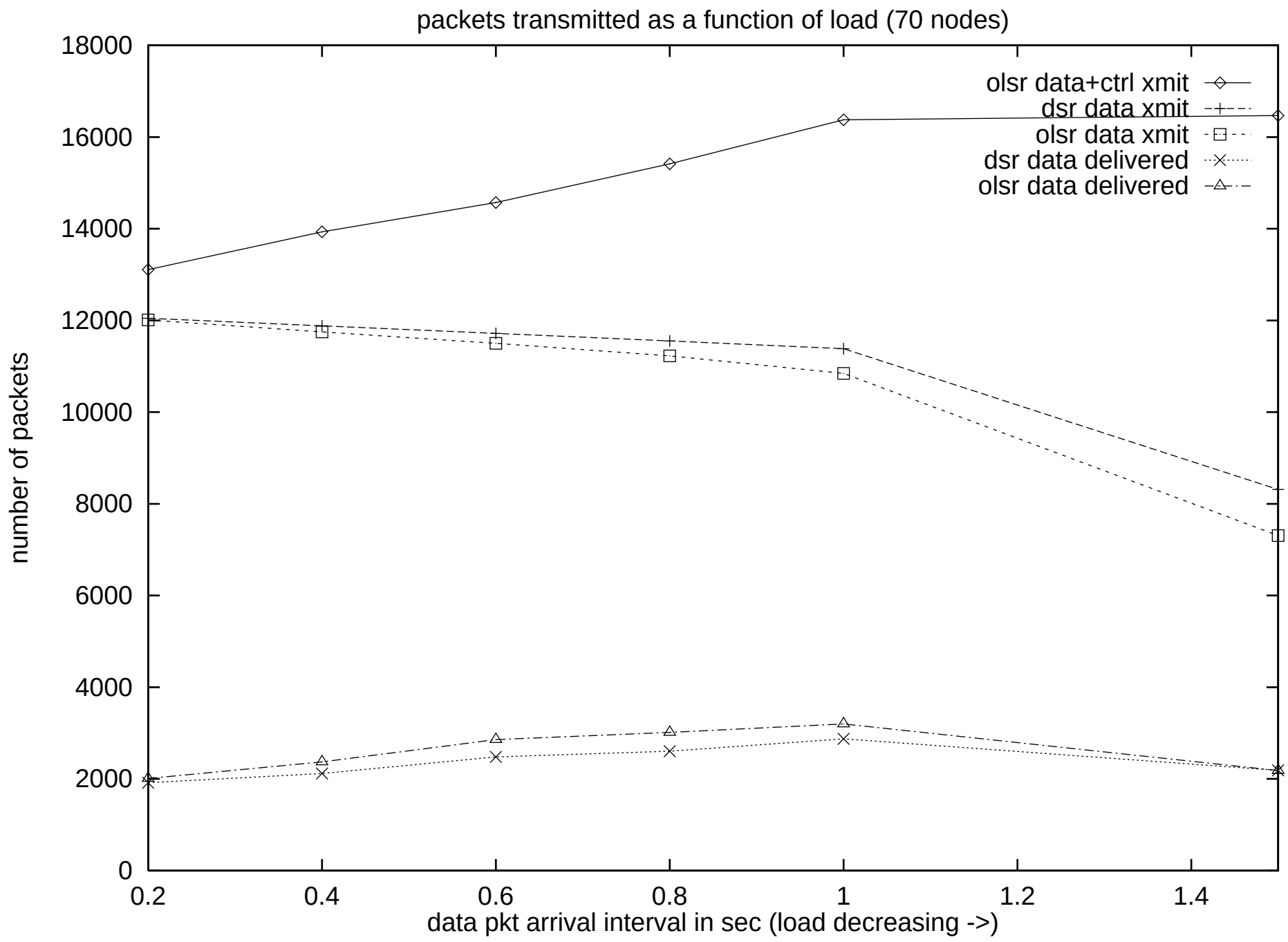

SK-DSR: number of control packets xmitted per route request
sk-dsr ctrl / req
number of packets
number of nodes
120
110
100
90
80
70
60
50
40
30
20
20
30
40
50
60
70
80


SK-DSR: maximum delay for first route reply
sk-dsr first rt-rep delay
time in sec
number of nodes
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
20
30
40
50
60
70
80


packets xmit as a function of network density, 50 nodes
number of packets
radio range multiplying factor
olsr ctrl xmit
dsr data xmit
olsr data xmit
dsr data delivered
olsr data delivered
0
2000
4000
6000
8000
10000
12000
0.8
1
1.2
1.4
1.6
1.8
2


packets xmit as a function of network density, 70 nodes
number of packets
radio range multiplying factor
0
2000
4000
6000
8000
10000
12000
0.8
1
1.2
1.4
1.6
1.8
2
olsr ctrl xmit
dsr data xmit
olsr data xmit
dsr data delivered
olsr data delivered


packets transmitted as a function of load (30 nodes)
olsr data+ctrl xmit
dsr data xmit
olsr data xmit
dsr data delivered
olsr data delivered
number of packets
data pkt arrival interval in sec (load decreasing ->)
0
2000
4000
6000
8000
10000
12000
14000
0.2
0.4
0.6
0.8
1
1.2
1.4


packets transmitted as a function of load (70 nodes)
olsr data+ctrl xmit
dsr data xmit
olsr data xmit
dsr data delivered
olsr data delivered
number of packets
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
0.2
0.4
0.6
0.8
1
1.2
1.4
data pkt arrival interval in sec (load decreasing ->)