Expected time to conclusion: 4 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9077

pk\_suc: 0.0645

pk\_per: 0.0278

through: 8.7018e+005

energyeff: 1.0734e-007

---------------------------------------------------------------

sim.time is: 1-31-22-1

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9054

pk\_suc: 0.0946

pk\_per: 0

through: 6.8071e+005

energyeff: 1.5021e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9117

pk\_suc: 0.0702

pk\_per: 0.0180

through: 5.3205e+005

energyeff: 1.9497e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9089

pk\_suc: 0.0641

pk\_per: 0.0270

through: 8.6873e+005

energyeff: 1.0890e-007

---------------------------------------------------------------

sim.time is: 1-31-22-2

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9071

pk\_suc: 0.0929

pk\_per: 0

through: 6.6846e+005

energyeff: 1.5292e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9093

pk\_suc: 0.0720

pk\_per: 0.0187

through: 5.4851e+005

energyeff: 1.9016e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9091

pk\_suc: 0.0659

pk\_per: 0.0251

through: 8.8675e+005

energyeff: 1.0629e-007

Simulation AARF: n=23, snr=5, startrate=4, throughput=671546.3429

Simulation ONOE: n=23, snr=5, startrate=4, throughput=540354.1316

Simulation SAMPLE: n=23, snr=5, startrate=4, throughput=540354.1316

---------------------------------------------------------------

sim.time is: 1-31-22-2

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9072

pk\_suc: 0.0928

pk\_per: 0

through: 6.6743e+005

energyeff: 1.5308e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9145

pk\_suc: 0.0816

pk\_per: 0.0039

through: 6.3422e+005

energyeff: 1.6661e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9140

pk\_suc: 0.0758

pk\_per: 0.0102

through: 1.0512e+006

energyeff: 8.8985e-008

---------------------------------------------------------------

sim.time is: 1-31-22-2

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9068

pk\_suc: 0.0932

pk\_per: 0

through: 6.6931e+005

energyeff: 1.5248e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9153

pk\_suc: 0.0814

pk\_per: 0.0033

through: 6.3287e+005

energyeff: 1.6713e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9138

pk\_suc: 0.0757

pk\_per: 0.0105

through: 1.0544e+006

energyeff: 8.8219e-008

---------------------------------------------------------------

sim.time is: 1-31-22-2

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9080

pk\_suc: 0.0920

pk\_per: 0

through: 6.6364e+005

energyeff: 1.5442e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9154

pk\_suc: 0.0810

pk\_per: 0.0036

through: 6.2963e+005

energyeff: 1.6782e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9124

pk\_suc: 0.0755

pk\_per: 0.0121

through: 1.0514e+006

energyeff: 8.7968e-008

---------------------------------------------------------------

sim.time is: 1-31-22-3

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9071

pk\_suc: 0.0929

pk\_per: 0

through: 6.6664e+005

energyeff: 1.5288e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9156

pk\_suc: 0.0803

pk\_per: 0.0041

through: 6.2254e+005

energyeff: 1.6944e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9131

pk\_suc: 0.0756

pk\_per: 0.0113

through: 1.0533e+006

energyeff: 8.8119e-008

Simulation AARF: n=23, snr=10, startrate=4, throughput=666754.4512

Simulation ONOE: n=23, snr=10, startrate=4, throughput=629813.7909

Simulation SAMPLE: n=23, snr=10, startrate=4, throughput=629813.7909

---------------------------------------------------------------

sim.time is: 1-31-22-3

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9080

pk\_suc: 0.0920

pk\_per: 0

through: 6.6504e+005

energyeff: 1.5436e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9169

pk\_suc: 0.0820

pk\_per: 0.0011

through: 6.3768e+005

energyeff: 1.6560e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9157

pk\_suc: 0.0805

pk\_per: 0.0038

through: 1.1326e+006

energyeff: 8.1600e-008

---------------------------------------------------------------

sim.time is: 1-31-22-3

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9080

pk\_suc: 0.0920

pk\_per: 0

through: 6.6285e+005

energyeff: 1.5444e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9161

pk\_suc: 0.0829

pk\_per: 0.0011

through: 6.4491e+005

energyeff: 1.6357e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9151

pk\_suc: 0.0797

pk\_per: 0.0052

through: 1.1235e+006

energyeff: 8.2280e-008

---------------------------------------------------------------

sim.time is: 1-31-22-3

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9053

pk\_suc: 0.0947

pk\_per: 0

through: 6.8122e+005

energyeff: 1.4995e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9158

pk\_suc: 0.0833

pk\_per: 8.8611e-004

through: 6.4991e+005

energyeff: 1.6263e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9149

pk\_suc: 0.0803

pk\_per: 0.0048

through: 1.1324e+006

energyeff: 8.0824e-008

---------------------------------------------------------------

sim.time is: 1-31-22-4

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9079

pk\_suc: 0.0921

pk\_per: 0

through: 6.6272e+005

energyeff: 1.5415e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9159

pk\_suc: 0.0833

pk\_per: 8.1586e-004

through: 6.4866e+005

energyeff: 1.6276e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9179

pk\_suc: 0.0775

pk\_per: 0.0046

through: 1.0892e+006

energyeff: 8.4670e-008

Simulation AARF: n=23, snr=15, startrate=4, throughput=667954.7157

Simulation ONOE: n=23, snr=15, startrate=4, throughput=645289.7228

Simulation SAMPLE: n=23, snr=15, startrate=4, throughput=645289.7228

---------------------------------------------------------------

sim.time is: 1-31-22-4

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9064

pk\_suc: 0.0936

pk\_per: 0

through: 6.7025e+005

energyeff: 1.5184e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9172

pk\_suc: 0.0826

pk\_per: 1.2059e-004

through: 6.4526e+005

energyeff: 1.6388e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9155

pk\_suc: 0.0819

pk\_per: 0.0027

through: 1.1636e+006

energyeff: 7.8146e-008

---------------------------------------------------------------

sim.time is: 1-31-22-4

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9086

pk\_suc: 0.0914

pk\_per: 0

through: 6.5857e+005

energyeff: 1.5539e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9173

pk\_suc: 0.0826

pk\_per: 1.5492e-004

through: 6.4310e+005

energyeff: 1.6413e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9165

pk\_suc: 0.0817

pk\_per: 0.0018

through: 1.1640e+006

energyeff: 7.7698e-008

---------------------------------------------------------------

sim.time is: 1-31-22-5

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9077

pk\_suc: 0.0923

pk\_per: 0

through: 6.6207e+005

energyeff: 1.5385e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9179

pk\_suc: 0.0820

pk\_per: 1.5383e-004

through: 6.4020e+005

energyeff: 1.6538e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9163

pk\_suc: 0.0818

pk\_per: 0.0019

through: 1.1636e+006

energyeff: 7.8243e-008

---------------------------------------------------------------

sim.time is: 1-31-22-5

number of packets to be simulated: 4796

---------------------------------------------------------------

Simulation AARF: n=23, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9069

pk\_suc: 0.0931

pk\_per: 0

through: 6.6926e+005

energyeff: 1.5256e-007

---------------------------------------------------------------

Simulation ONOE: n=23, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9160

pk\_suc: 0.0838

pk\_per: 1.9226e-004

through: 6.5448e+005

energyeff: 1.6151e-007

---------------------------------------------------------------

Simulation Sample: n=23, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9167

pk\_suc: 0.0816

pk\_per: 0.0018

through: 1.1545e+006

energyeff: 7.9059e-008

Simulation AARF: n=23, snr=20, startrate=4, throughput=665037.455

Simulation ONOE: n=23, snr=20, startrate=4, throughput=645760.1693

Simulation SAMPLE: n=23, snr=20, startrate=4, throughput=645760.1693

---------------------------------------------------------------

sim.time is: 1-31-22-5

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9135

pk\_suc: 0.0865

pk\_per: 0

through: 6.3668e+005

energyeff: 1.6419e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9173

pk\_suc: 0.0665

pk\_per: 0.0162

through: 5.1786e+005

energyeff: 2.0644e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9169

pk\_suc: 0.0599

pk\_per: 0.0232

through: 8.2576e+005

energyeff: 1.1758e-007

---------------------------------------------------------------

sim.time is: 1-31-22-5

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9155

pk\_suc: 0.0845

pk\_per: 0

through: 6.2516e+005

energyeff: 1.6806e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9195

pk\_suc: 0.0647

pk\_per: 0.0158

through: 5.0246e+005

energyeff: 2.1243e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9143

pk\_suc: 0.0596

pk\_per: 0.0261

through: 8.2562e+005

energyeff: 1.1570e-007

---------------------------------------------------------------

sim.time is: 1-31-22-6

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9145

pk\_suc: 0.0855

pk\_per: 0

through: 6.3316e+005

energyeff: 1.6612e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9169

pk\_suc: 0.0664

pk\_per: 0.0167

through: 5.1715e+005

energyeff: 2.0639e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9156

pk\_suc: 0.0601

pk\_per: 0.0243

through: 8.2983e+005

energyeff: 1.1748e-007

---------------------------------------------------------------

sim.time is: 1-31-22-6

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9146

pk\_suc: 0.0854

pk\_per: 0

through: 6.2961e+005

energyeff: 1.6636e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9185

pk\_suc: 0.0653

pk\_per: 0.0161

through: 5.0831e+005

energyeff: 2.1008e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9162

pk\_suc: 0.0594

pk\_per: 0.0244

through: 8.2166e+005

energyeff: 1.1707e-007

Simulation AARF: n=24, snr=5, startrate=4, throughput=631151.1508

Simulation ONOE: n=24, snr=5, startrate=4, throughput=511443.148

Simulation SAMPLE: n=24, snr=5, startrate=4, throughput=511443.148

---------------------------------------------------------------

sim.time is: 1-31-22-6

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9136

pk\_suc: 0.0864

pk\_per: 0

through: 6.3588e+005

energyeff: 1.6442e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9218

pk\_suc: 0.0750

pk\_per: 0.0032

through: 5.9497e+005

energyeff: 1.8168e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9197

pk\_suc: 0.0715

pk\_per: 0.0089

through: 1.0087e+006

energyeff: 9.5178e-008

---------------------------------------------------------------

sim.time is: 1-31-22-7

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9145

pk\_suc: 0.0855

pk\_per: 0

through: 6.3201e+005

energyeff: 1.6606e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9223

pk\_suc: 0.0746

pk\_per: 0.0031

through: 5.9159e+005

energyeff: 1.8290e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9206

pk\_suc: 0.0708

pk\_per: 0.0087

through: 1.0021e+006

energyeff: 9.6351e-008

---------------------------------------------------------------

sim.time is: 1-31-22-7

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9159

pk\_suc: 0.0841

pk\_per: 0

through: 6.2128e+005

energyeff: 1.6895e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9217

pk\_suc: 0.0752

pk\_per: 0.0031

through: 5.9843e+005

energyeff: 1.8139e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9216

pk\_suc: 0.0715

pk\_per: 0.0070

through: 1.0076e+006

energyeff: 9.6609e-008

---------------------------------------------------------------

sim.time is: 1-31-22-7

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9139

pk\_suc: 0.0861

pk\_per: 0

through: 6.3397e+005

energyeff: 1.6498e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9217

pk\_suc: 0.0750

pk\_per: 0.0032

through: 5.9394e+005

energyeff: 1.8177e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9201

pk\_suc: 0.0696

pk\_per: 0.0102

through: 9.8808e+005

energyeff: 9.6283e-008

Simulation AARF: n=24, snr=10, startrate=4, throughput=630784.9676

Simulation ONOE: n=24, snr=10, startrate=4, throughput=594732.3463

Simulation SAMPLE: n=24, snr=10, startrate=4, throughput=594732.3463

---------------------------------------------------------------

sim.time is: 1-31-22-7

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9158

pk\_suc: 0.0842

pk\_per: 0

through: 6.2205e+005

energyeff: 1.6877e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9229

pk\_suc: 0.0761

pk\_per: 9.3224e-004

through: 6.0504e+005

energyeff: 1.7873e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9225

pk\_suc: 0.0726

pk\_per: 0.0050

through: 1.0378e+006

energyeff: 9.2656e-008

---------------------------------------------------------------

sim.time is: 1-31-22-8

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9134

pk\_suc: 0.0866

pk\_per: 0

through: 6.3903e+005

energyeff: 1.6397e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9234

pk\_suc: 0.0757

pk\_per: 9.4182e-004

through: 6.0394e+005

energyeff: 1.7987e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Static =

pk\_col: 0.9220

pk\_suc: 0.0743

pk\_per: 0.0037

through: 1.0684e+006

energyeff: 8.8192e-008

---------------------------------------------------------------

sim.time is: 1-31-22-8

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9128

pk\_suc: 0.0872

pk\_per: 0

through: 6.4384e+005

energyeff: 1.6292e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9228

pk\_suc: 0.0761

pk\_per: 0.0010

through: 6.0588e+005

energyeff: 1.7869e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9214

pk\_suc: 0.0746

pk\_per: 0.0040

through: 1.0690e+006

energyeff: 8.9194e-008

---------------------------------------------------------------

sim.time is: 1-31-22-8

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9143

pk\_suc: 0.0857

pk\_per: 0

through: 6.3096e+005

energyeff: 1.6572e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9221

pk\_suc: 0.0772

pk\_per: 6.9359e-004

through: 6.1521e+005

energyeff: 1.7598e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9223

pk\_suc: 0.0730

pk\_per: 0.0047

through: 1.0426e+006

energyeff: 9.0648e-008

Simulation AARF: n=24, snr=15, startrate=4, throughput=633969.3261

Simulation ONOE: n=24, snr=15, startrate=4, throughput=607517.0983

Simulation SAMPLE: n=24, snr=15, startrate=4, throughput=607517.0983

---------------------------------------------------------------

sim.time is: 1-31-22-9

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9149

pk\_suc: 0.0851

pk\_per: 0

through: 6.2983e+005

energyeff: 1.6684e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9226

pk\_suc: 0.0772

pk\_per: 1.5754e-004

through: 6.1702e+005

energyeff: 1.7600e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Static =

pk\_col: 0.9219

pk\_suc: 0.0766

pk\_per: 0.0015

through: 1.1049e+006

energyeff: 8.5556e-008

---------------------------------------------------------------

sim.time is: 1-31-22-9

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9150

pk\_suc: 0.0850

pk\_per: 0

through: 6.2897e+005

energyeff: 1.6717e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9237

pk\_suc: 0.0761

pk\_per: 1.7090e-004

through: 6.0778e+005

energyeff: 1.7859e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9216

pk\_suc: 0.0761

pk\_per: 0.0023

through: 1.1042e+006

energyeff: 8.4813e-008

---------------------------------------------------------------

sim.time is: 1-31-22-9

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9134

pk\_suc: 0.0866

pk\_per: 0

through: 6.3954e+005

energyeff: 1.6411e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9235

pk\_suc: 0.0763

pk\_per: 1.4022e-004

through: 6.0948e+005

energyeff: 1.7807e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9223

pk\_suc: 0.0760

pk\_per: 0.0016

through: 1.0960e+006

energyeff: 8.5224e-008

---------------------------------------------------------------

sim.time is: 1-31-22-9

number of packets to be simulated: 4899

---------------------------------------------------------------

Simulation AARF: n=24, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9133

pk\_suc: 0.0867

pk\_per: 0

through: 6.3952e+005

energyeff: 1.6387e-007

---------------------------------------------------------------

Simulation ONOE: n=24, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9216

pk\_suc: 0.0783

pk\_per: 1.2785e-004

through: 6.2616e+005

energyeff: 1.7344e-007

---------------------------------------------------------------

Simulation Sample: n=24, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9226

pk\_suc: 0.0756

pk\_per: 0.0018

through: 1.0954e+006

energyeff: 8.5485e-008

Simulation AARF: n=24, snr=20, startrate=4, throughput=634465.8662

Simulation ONOE: n=24, snr=20, startrate=4, throughput=615108.6996

Simulation SAMPLE: n=24, snr=20, startrate=4, throughput=615108.6996

---------------------------------------------------------------

sim.time is: 1-31-22-10

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9199

pk\_suc: 0.0801

pk\_per: 0

through: 6.0458e+005

energyeff: 1.7736e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9246

pk\_suc: 0.0599

pk\_per: 0.0156

through: 4.7583e+005

energyeff: 2.3003e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9216

pk\_suc: 0.0551

pk\_per: 0.0232

through: 7.7933e+005

energyeff: 1.2700e-007

---------------------------------------------------------------

sim.time is: 1-31-22-10

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9215

pk\_suc: 0.0785

pk\_per: 0

through: 5.9645e+005

energyeff: 1.8083e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9238

pk\_suc: 0.0608

pk\_per: 0.0154

through: 4.8364e+005

energyeff: 2.2629e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9229

pk\_suc: 0.0554

pk\_per: 0.0217

through: 7.7997e+005

energyeff: 1.2782e-007

---------------------------------------------------------------

sim.time is: 1-31-22-10

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9220

pk\_suc: 0.0780

pk\_per: 0

through: 5.8869e+005

energyeff: 1.8221e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9241

pk\_suc: 0.0603

pk\_per: 0.0155

through: 4.7990e+005

energyeff: 2.2806e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9238

pk\_suc: 0.0549

pk\_per: 0.0213

through: 7.7379e+005

energyeff: 1.2860e-007

---------------------------------------------------------------

sim.time is: 1-31-22-11

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9228

pk\_suc: 0.0772

pk\_per: 0

through: 5.8587e+005

energyeff: 1.8393e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9246

pk\_suc: 0.0611

pk\_per: 0.0143

through: 4.8765e+005

energyeff: 2.2503e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9240

pk\_suc: 0.0557

pk\_per: 0.0203

through: 7.8249e+005

energyeff: 1.2735e-007

Simulation AARF: n=25, snr=5, startrate=4, throughput=593900.8421

Simulation ONOE: n=25, snr=5, startrate=4, throughput=481755.9975

Simulation SAMPLE: n=25, snr=5, startrate=4, throughput=481755.9975

---------------------------------------------------------------

sim.time is: 1-31-22-11

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9198

pk\_suc: 0.0802

pk\_per: 0

through: 6.0720e+005

energyeff: 1.7717e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9288

pk\_suc: 0.0686

pk\_per: 0.0026

through: 5.5642e+005

energyeff: 1.9934e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9261

pk\_suc: 0.0658

pk\_per: 0.0081

through: 9.5012e+005

energyeff: 1.0448e-007

---------------------------------------------------------------

sim.time is: 1-31-22-12

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9196

pk\_suc: 0.0804

pk\_per: 0

through: 6.0930e+005

energyeff: 1.7657e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9290

pk\_suc: 0.0680

pk\_per: 0.0030

through: 5.5191e+005

energyeff: 2.0115e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9261

pk\_suc: 0.0656

pk\_per: 0.0083

through: 9.4575e+005

energyeff: 1.0460e-007

---------------------------------------------------------------

sim.time is: 1-31-22-12

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9210

pk\_suc: 0.0790

pk\_per: 0

through: 5.9674e+005

energyeff: 1.7988e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9270

pk\_suc: 0.0698

pk\_per: 0.0032

through: 5.6614e+005

energyeff: 1.9587e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9271

pk\_suc: 0.0656

pk\_per: 0.0072

through: 9.4521e+005

energyeff: 1.0551e-007

---------------------------------------------------------------

sim.time is: 1-31-22-12

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9197

pk\_suc: 0.0803

pk\_per: 0

through: 6.0662e+005

energyeff: 1.7681e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9283

pk\_suc: 0.0690

pk\_per: 0.0028

through: 5.5889e+005

energyeff: 1.9840e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9264

pk\_suc: 0.0644

pk\_per: 0.0092

through: 9.2968e+005

energyeff: 1.0624e-007

Simulation AARF: n=25, snr=10, startrate=4, throughput=604965.273

Simulation ONOE: n=25, snr=10, startrate=4, throughput=558340.1336

Simulation SAMPLE: n=25, snr=10, startrate=4, throughput=558340.1336

---------------------------------------------------------------

sim.time is: 1-31-22-12

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9212

pk\_suc: 0.0788

pk\_per: 0

through: 5.9588e+005

energyeff: 1.8018e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9277

pk\_suc: 0.0716

pk\_per: 7.7284e-004

through: 5.8234e+005

energyeff: 1.9059e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9278

pk\_suc: 0.0681

pk\_per: 0.0041

through: 9.9659e+005

energyeff: 9.7385e-008

---------------------------------------------------------------

sim.time is: 1-31-22-13

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9204

pk\_suc: 0.0796

pk\_per: 0

through: 6.0264e+005

energyeff: 1.7857e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9279

pk\_suc: 0.0711

pk\_per: 9.8121e-004

through: 5.7777e+005

energyeff: 1.9193e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9270

pk\_suc: 0.0689

pk\_per: 0.0042

through: 1.0028e+006

energyeff: 9.7456e-008

---------------------------------------------------------------

sim.time is: 1-31-22-13

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9216

pk\_suc: 0.0784

pk\_per: 0

through: 5.9348e+005

energyeff: 1.8108e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9276

pk\_suc: 0.0717

pk\_per: 7.5976e-004

through: 5.8492e+005

energyeff: 1.9032e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9282

pk\_suc: 0.0682

pk\_per: 0.0036

through: 9.9444e+005

energyeff: 9.8240e-008

---------------------------------------------------------------

sim.time is: 1-31-22-13

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9222

pk\_suc: 0.0778

pk\_per: 0

through: 5.8905e+005

energyeff: 1.8267e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9293

pk\_suc: 0.0699

pk\_per: 7.5513e-004

through: 5.6750e+005

energyeff: 1.9518e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9288

pk\_suc: 0.0690

pk\_per: 0.0022

through: 9.9538e+005

energyeff: 1.0011e-007

Simulation AARF: n=25, snr=15, startrate=4, throughput=595261.9141

Simulation ONOE: n=25, snr=15, startrate=4, throughput=578135.2917

Simulation SAMPLE: n=25, snr=15, startrate=4, throughput=578135.2917

---------------------------------------------------------------

sim.time is: 1-31-22-14

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9201

pk\_suc: 0.0799

pk\_per: 0

through: 6.0445e+005

energyeff: 1.7788e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9280

pk\_suc: 0.0718

pk\_per: 1.7230e-004

through: 5.8458e+005

energyeff: 1.8974e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9295

pk\_suc: 0.0690

pk\_per: 0.0015

through: 1.0113e+006

energyeff: 9.6026e-008

---------------------------------------------------------------

sim.time is: 1-31-22-14

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9186

pk\_suc: 0.0814

pk\_per: 0

through: 6.1610e+005

energyeff: 1.7441e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9293

pk\_suc: 0.0706

pk\_per: 7.0606e-005

through: 5.7510e+005

energyeff: 1.9312e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9282

pk\_suc: 0.0704

pk\_per: 0.0013

through: 1.0361e+006

energyeff: 9.3716e-008

---------------------------------------------------------------

sim.time is: 1-31-22-14

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9196

pk\_suc: 0.0804

pk\_per: 0

through: 6.0550e+005

energyeff: 1.7664e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9288

pk\_suc: 0.0711

pk\_per: 1.7054e-004

through: 5.7682e+005

energyeff: 1.9186e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9290

pk\_suc: 0.0696

pk\_per: 0.0014

through: 1.0229e+006

energyeff: 9.4782e-008

---------------------------------------------------------------

sim.time is: 1-31-22-15

number of packets to be simulated: 5000

---------------------------------------------------------------

Simulation AARF: n=25, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9200

pk\_suc: 0.0800

pk\_per: 0

through: 6.0339e+005

energyeff: 1.7756e-007

---------------------------------------------------------------

Simulation ONOE: n=25, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9286

pk\_suc: 0.0712

pk\_per: 1.9929e-004

through: 5.8051e+005

energyeff: 1.9146e-007

---------------------------------------------------------------

Simulation Sample: n=25, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9289

pk\_suc: 0.0697

pk\_per: 0.0014

through: 1.0248e+006

energyeff: 9.4969e-008

Simulation AARF: n=25, snr=20, startrate=4, throughput=607362.0258

Simulation ONOE: n=25, snr=20, startrate=4, throughput=579249.9378

Simulation SAMPLE: n=25, snr=20, startrate=4, throughput=579249.9378

---------------------------------------------------------------

sim.time is: 1-31-22-15

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9264

pk\_suc: 0.0736

pk\_per: 0

through: 5.7273e+005

energyeff: 1.9293e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9300

pk\_suc: 0.0562

pk\_per: 0.0138

through: 4.5653e+005

energyeff: 2.4519e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9283

pk\_suc: 0.0517

pk\_per: 0.0200

through: 7.4479e+005

energyeff: 1.3750e-007

---------------------------------------------------------------

sim.time is: 1-31-22-15

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9281

pk\_suc: 0.0719

pk\_per: 0

through: 5.5865e+005

energyeff: 1.9742e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9303

pk\_suc: 0.0560

pk\_per: 0.0137

through: 4.5623e+005

energyeff: 2.4633e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9282

pk\_suc: 0.0511

pk\_per: 0.0206

through: 7.3760e+005

energyeff: 1.3756e-007

---------------------------------------------------------------

sim.time is: 1-31-22-16

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9271

pk\_suc: 0.0729

pk\_per: 0

through: 5.6490e+005

energyeff: 1.9479e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9304

pk\_suc: 0.0558

pk\_per: 0.0138

through: 4.5362e+005

energyeff: 2.4704e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9307

pk\_suc: 0.0503

pk\_per: 0.0190

through: 7.2483e+005

energyeff: 1.4066e-007

---------------------------------------------------------------

sim.time is: 1-31-22-16

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9274

pk\_suc: 0.0726

pk\_per: 0

through: 5.6497e+005

energyeff: 1.9550e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9316

pk\_suc: 0.0551

pk\_per: 0.0133

through: 4.4897e+005

energyeff: 2.5046e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9286

pk\_suc: 0.0507

pk\_per: 0.0207

through: 7.3175e+005

energyeff: 1.3970e-007

Simulation AARF: n=26, snr=5, startrate=4, throughput=565311.7152

Simulation ONOE: n=26, snr=5, startrate=4, throughput=453837.7958

Simulation SAMPLE: n=26, snr=5, startrate=4, throughput=453837.7958

---------------------------------------------------------------

sim.time is: 1-31-22-17

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9271

pk\_suc: 0.0729

pk\_per: 0

through: 5.6669e+005

energyeff: 1.9474e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9334

pk\_suc: 0.0640

pk\_per: 0.0025

through: 5.3090e+005

energyeff: 2.1432e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9322

pk\_suc: 0.0608

pk\_per: 0.0071

through: 8.9258e+005

energyeff: 1.1425e-007

---------------------------------------------------------------

sim.time is: 1-31-22-17

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9266

pk\_suc: 0.0734

pk\_per: 0

through: 5.6780e+005

energyeff: 1.9355e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9332

pk\_suc: 0.0646

pk\_per: 0.0023

through: 5.3551e+005

energyeff: 2.1218e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9310

pk\_suc: 0.0606

pk\_per: 0.0084

through: 8.8789e+005

energyeff: 1.1427e-007

---------------------------------------------------------------

sim.time is: 1-31-22-17

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9267

pk\_suc: 0.0733

pk\_per: 0

through: 5.6786e+005

energyeff: 1.9387e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9336

pk\_suc: 0.0640

pk\_per: 0.0024

through: 5.3014e+005

energyeff: 2.1427e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9319

pk\_suc: 0.0608

pk\_per: 0.0073

through: 8.9616e+005

energyeff: 1.1306e-007

---------------------------------------------------------------

sim.time is: 1-31-22-18

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9275

pk\_suc: 0.0725

pk\_per: 0

through: 5.6227e+005

energyeff: 1.9594e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9336

pk\_suc: 0.0639

pk\_per: 0.0024

through: 5.2992e+005

energyeff: 2.1450e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Static =

pk\_col: 0.9321

pk\_suc: 0.0605

pk\_per: 0.0073

through: 8.9152e+005

energyeff: 1.1391e-007

Simulation AARF: n=26, snr=10, startrate=4, throughput=566155.5292

Simulation ONOE: n=26, snr=10, startrate=4, throughput=531618.5324

Simulation SAMPLE: n=26, snr=10, startrate=4, throughput=531618.5324

---------------------------------------------------------------

sim.time is: 1-31-22-18

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9267

pk\_suc: 0.0733

pk\_per: 0

through: 5.6928e+005

energyeff: 1.9381e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9335

pk\_suc: 0.0659

pk\_per: 5.5566e-004

through: 5.4847e+005

energyeff: 2.0753e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9333

pk\_suc: 0.0632

pk\_per: 0.0035

through: 9.3746e+005

energyeff: 1.0724e-007

---------------------------------------------------------------

sim.time is: 1-31-22-18

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9274

pk\_suc: 0.0726

pk\_per: 0

through: 5.6301e+005

energyeff: 1.9565e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9330

pk\_suc: 0.0665

pk\_per: 5.2125e-004

through: 5.5202e+005

energyeff: 2.0566e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9333

pk\_suc: 0.0632

pk\_per: 0.0035

through: 9.3637e+005

energyeff: 1.0714e-007

---------------------------------------------------------------

sim.time is: 1-31-22-19

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9273

pk\_suc: 0.0727

pk\_per: 0

through: 5.6272e+005

energyeff: 1.9550e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9330

pk\_suc: 0.0664

pk\_per: 6.6360e-004

through: 5.5039e+005

energyeff: 2.0613e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9333

pk\_suc: 0.0637

pk\_per: 0.0030

through: 9.4356e+005

energyeff: 1.0745e-007

---------------------------------------------------------------

sim.time is: 1-31-22-19

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9275

pk\_suc: 0.0725

pk\_per: 0

through: 5.6469e+005

energyeff: 1.9600e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9333

pk\_suc: 0.0662

pk\_per: 5.4493e-004

through: 5.5133e+005

energyeff: 2.0659e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9324

pk\_suc: 0.0642

pk\_per: 0.0034

through: 9.5495e+005

energyeff: 1.0476e-007

Simulation AARF: n=26, snr=15, startrate=4, throughput=564924.5455

Simulation ONOE: n=26, snr=15, startrate=4, throughput=550556.3038

Simulation SAMPLE: n=26, snr=15, startrate=4, throughput=550556.3038

---------------------------------------------------------------

sim.time is: 1-31-22-19

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9257

pk\_suc: 0.0743

pk\_per: 0

through: 5.7640e+005

energyeff: 1.9105e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9335

pk\_suc: 0.0663

pk\_per: 1.6898e-004

through: 5.5097e+005

energyeff: 2.0627e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9343

pk\_suc: 0.0645

pk\_per: 0.0011

through: 9.6075e+005

energyeff: 1.0551e-007

---------------------------------------------------------------

sim.time is: 1-31-22-20

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9251

pk\_suc: 0.0749

pk\_per: 0

through: 5.7975e+005

energyeff: 1.8973e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9338

pk\_suc: 0.0660

pk\_per: 1.2945e-004

through: 5.4866e+005

energyeff: 2.0702e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9352

pk\_suc: 0.0635

pk\_per: 0.0013

through: 9.4519e+005

energyeff: 1.0633e-007

---------------------------------------------------------------

sim.time is: 1-31-22-20

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9265

pk\_suc: 0.0735

pk\_per: 0

through: 5.7056e+005

energyeff: 1.9333e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9346

pk\_suc: 0.0652

pk\_per: 1.5341e-004

through: 5.4254e+005

energyeff: 2.0980e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9333

pk\_suc: 0.0658

pk\_per: 9.0298e-004

through: 9.8207e+005

energyeff: 1.0145e-007

---------------------------------------------------------------

sim.time is: 1-31-22-20

number of packets to be simulated: 5100

---------------------------------------------------------------

Simulation AARF: n=26, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9264

pk\_suc: 0.0736

pk\_per: 0

through: 5.7174e+005

energyeff: 1.9291e-007

---------------------------------------------------------------

Simulation ONOE: n=26, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9347

pk\_suc: 0.0652

pk\_per: 7.6706e-005

through: 5.4223e+005

energyeff: 2.0979e-007

---------------------------------------------------------------

Simulation Sample: n=26, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9342

pk\_suc: 0.0644

pk\_per: 0.0014

through: 9.6342e+005

energyeff: 1.0382e-007

Simulation AARF: n=26, snr=20, startrate=4, throughput=574611.7311

Simulation ONOE: n=26, snr=20, startrate=4, throughput=546100.4696

Simulation SAMPLE: n=26, snr=20, startrate=4, throughput=546100.4696

---------------------------------------------------------------

sim.time is: 1-31-22-21

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9337

pk\_suc: 0.0663

pk\_per: 0

through: 5.2934e+005

energyeff: 2.1405e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9360

pk\_suc: 0.0518

pk\_per: 0.0121

through: 4.3084e+005

energyeff: 2.6641e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9337

pk\_suc: 0.0477

pk\_per: 0.0185

through: 7.0451e+005

energyeff: 1.4858e-007

---------------------------------------------------------------

sim.time is: 1-31-22-21

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9331

pk\_suc: 0.0669

pk\_per: 0

through: 5.3328e+005

energyeff: 2.1227e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9363

pk\_suc: 0.0513

pk\_per: 0.0125

through: 4.2678e+005

energyeff: 2.6948e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9348

pk\_suc: 0.0487

pk\_per: 0.0165

through: 7.1500e+005

energyeff: 1.4859e-007

---------------------------------------------------------------

sim.time is: 1-31-22-22

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9334

pk\_suc: 0.0666

pk\_per: 0

through: 5.3149e+005

energyeff: 2.1311e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9363

pk\_suc: 0.0513

pk\_per: 0.0125

through: 4.2676e+005

energyeff: 2.6946e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Static =

pk\_col: 0.9356

pk\_suc: 0.0466

pk\_per: 0.0178

through: 6.8547e+005

energyeff: 1.5282e-007

---------------------------------------------------------------

sim.time is: 1-31-22-22

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9332

pk\_suc: 0.0668

pk\_per: 0

through: 5.3026e+005

energyeff: 2.1273e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9362

pk\_suc: 0.0511

pk\_per: 0.0126

through: 4.2571e+005

energyeff: 2.7022e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9351

pk\_suc: 0.0479

pk\_per: 0.0171

through: 7.0318e+005

energyeff: 1.4933e-007

Simulation AARF: n=27, snr=5, startrate=4, throughput=531093.3516

Simulation ONOE: n=27, snr=5, startrate=4, throughput=427522.9362

Simulation SAMPLE: n=27, snr=5, startrate=4, throughput=427522.9362

---------------------------------------------------------------

sim.time is: 1-31-22-22

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9326

pk\_suc: 0.0674

pk\_per: 0

through: 5.3510e+005

energyeff: 2.1076e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9386

pk\_suc: 0.0593

pk\_per: 0.0021

through: 5.0186e+005

energyeff: 2.3172e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9372

pk\_suc: 0.0560

pk\_per: 0.0068

through: 8.4017e+005

energyeff: 1.2457e-007

---------------------------------------------------------------

sim.time is: 1-31-22-23

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9325

pk\_suc: 0.0675

pk\_per: 0

through: 5.3813e+005

energyeff: 2.1029e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9383

pk\_suc: 0.0594

pk\_per: 0.0024

through: 5.0131e+005

energyeff: 2.3146e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9376

pk\_suc: 0.0567

pk\_per: 0.0057

through: 8.4795e+005

energyeff: 1.2377e-007

---------------------------------------------------------------

sim.time is: 1-31-22-23

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9338

pk\_suc: 0.0662

pk\_per: 0

through: 5.2900e+005

energyeff: 2.1443e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9384

pk\_suc: 0.0595

pk\_per: 0.0021

through: 5.0365e+005

energyeff: 2.3099e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9381

pk\_suc: 0.0546

pk\_per: 0.0073

through: 8.1991e+005

energyeff: 1.2702e-007

---------------------------------------------------------------

sim.time is: 1-31-22-24

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9333

pk\_suc: 0.0667

pk\_per: 0

through: 5.3089e+005

energyeff: 2.1291e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9390

pk\_suc: 0.0586

pk\_per: 0.0024

through: 4.9462e+005

energyeff: 2.3471e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Static =

pk\_col: 0.9377

pk\_suc: 0.0563

pk\_per: 0.0060

through: 8.4497e+005

energyeff: 1.2531e-007

Simulation AARF: n=27, snr=10, startrate=4, throughput=533280.234

Simulation ONOE: n=27, snr=10, startrate=4, throughput=500359.8422

Simulation SAMPLE: n=27, snr=10, startrate=4, throughput=500359.8422

---------------------------------------------------------------

sim.time is: 1-31-22-24

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9326

pk\_suc: 0.0674

pk\_per: 0

through: 5.3735e+005

energyeff: 2.1063e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9390

pk\_suc: 0.0605

pk\_per: 4.5403e-004

through: 5.1386e+005

energyeff: 2.2667e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9384

pk\_suc: 0.0583

pk\_per: 0.0033

through: 8.7989e+005

energyeff: 1.1847e-007

---------------------------------------------------------------

sim.time is: 1-31-22-24

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9336

pk\_suc: 0.0664

pk\_per: 0

through: 5.2818e+005

energyeff: 2.1402e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9378

pk\_suc: 0.0616

pk\_per: 5.8077e-004

through: 5.2347e+005

energyeff: 2.2259e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9382

pk\_suc: 0.0586

pk\_per: 0.0032

through: 8.8555e+005

energyeff: 1.1714e-007

---------------------------------------------------------------

sim.time is: 1-31-22-25

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9344

pk\_suc: 0.0656

pk\_per: 0

through: 5.2288e+005

energyeff: 2.1651e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9387

pk\_suc: 0.0607

pk\_per: 5.6045e-004

through: 5.1666e+005

energyeff: 2.2603e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9399

pk\_suc: 0.0574

pk\_per: 0.0027

through: 8.7147e+005

energyeff: 1.1992e-007

---------------------------------------------------------------

sim.time is: 1-31-22-25

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9326

pk\_suc: 0.0674

pk\_per: 0

through: 5.3564e+005

energyeff: 2.1059e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9390

pk\_suc: 0.0604

pk\_per: 6.3907e-004

through: 5.1298e+005

energyeff: 2.2719e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9389

pk\_suc: 0.0582

pk\_per: 0.0029

through: 8.7730e+005

energyeff: 1.1807e-007

Simulation AARF: n=27, snr=15, startrate=4, throughput=531011.2613

Simulation ONOE: n=27, snr=15, startrate=4, throughput=516743.4193

Simulation SAMPLE: n=27, snr=15, startrate=4, throughput=516743.4193

---------------------------------------------------------------

sim.time is: 1-31-22-26

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9330

pk\_suc: 0.0670

pk\_per: 0

through: 5.3464e+005

energyeff: 2.1188e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9382

pk\_suc: 0.0616

pk\_per: 1.0674e-004

through: 5.2318e+005

energyeff: 2.2230e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Static =

pk\_col: 0.9391

pk\_suc: 0.0598

pk\_per: 0.0011

through: 9.0688e+005

energyeff: 1.1503e-007

---------------------------------------------------------------

sim.time is: 1-31-22-26

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9338

pk\_suc: 0.0662

pk\_per: 0

through: 5.2676e+005

energyeff: 2.1439e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9399

pk\_suc: 0.0600

pk\_per: 2.3103e-005

through: 5.1007e+005

energyeff: 2.2846e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9388

pk\_suc: 0.0602

pk\_per: 0.0010

through: 9.1632e+005

energyeff: 1.1288e-007

---------------------------------------------------------------

sim.time is: 1-31-22-26

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9325

pk\_suc: 0.0675

pk\_per: 0

through: 5.3809e+005

energyeff: 2.1024e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9385

pk\_suc: 0.0614

pk\_per: 1.0630e-004

through: 5.2087e+005

energyeff: 2.2327e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9382

pk\_suc: 0.0607

pk\_per: 0.0011

through: 9.1822e+005

energyeff: 1.1366e-007

---------------------------------------------------------------

sim.time is: 1-31-22-27

number of packets to be simulated: 5197

---------------------------------------------------------------

Simulation AARF: n=27, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9334

pk\_suc: 0.0666

pk\_per: 0

through: 5.3212e+005

energyeff: 2.1305e-007

---------------------------------------------------------------

Simulation ONOE: n=27, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9413

pk\_suc: 0.0586

pk\_per: 1.4650e-004

through: 4.9830e+005

energyeff: 2.3432e-007

---------------------------------------------------------------

Simulation Sample: n=27, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Static =

pk\_col: 0.9391

pk\_suc: 0.0596

pk\_per: 0.0014

through: 9.0440e+005

energyeff: 1.1298e-007

Simulation AARF: n=27, snr=20, startrate=4, throughput=532901.6875

Simulation ONOE: n=27, snr=20, startrate=4, throughput=513105.0394

Simulation SAMPLE: n=27, snr=20, startrate=4, throughput=513105.0394

---------------------------------------------------------------

sim.time is: 1-31-22-27

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9377

pk\_suc: 0.0623

pk\_per: 0

through: 5.0735e+005

energyeff: 2.2793e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9411

pk\_suc: 0.0473

pk\_per: 0.0116

through: 4.0396e+005

energyeff: 2.9279e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9399

pk\_suc: 0.0438

pk\_per: 0.0164

through: 6.5733e+005

energyeff: 1.6389e-007

---------------------------------------------------------------

sim.time is: 1-31-22-28

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9385

pk\_suc: 0.0615

pk\_per: 0

through: 5.0197e+005

energyeff: 2.3098e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9409

pk\_suc: 0.0478

pk\_per: 0.0113

through: 4.0604e+005

energyeff: 2.8970e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9398

pk\_suc: 0.0444

pk\_per: 0.0157

through: 6.6789e+005

energyeff: 1.6235e-007

---------------------------------------------------------------

sim.time is: 1-31-22-28

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9389

pk\_suc: 0.0611

pk\_per: 0

through: 4.9939e+005

energyeff: 2.3245e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9411

pk\_suc: 0.0476

pk\_per: 0.0113

through: 4.0462e+005

energyeff: 2.9071e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9394

pk\_suc: 0.0446

pk\_per: 0.0161

through: 6.7016e+005

energyeff: 1.6054e-007

---------------------------------------------------------------

sim.time is: 1-31-22-29

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9371

pk\_suc: 0.0629

pk\_per: 0

through: 5.1337e+005

energyeff: 2.2573e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9405

pk\_suc: 0.0485

pk\_per: 0.0110

through: 4.1281e+005

energyeff: 2.8531e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9394

pk\_suc: 0.0443

pk\_per: 0.0164

through: 6.6523e+005

energyeff: 1.6203e-007

Simulation AARF: n=28, snr=5, startrate=4, throughput=505518.5892

Simulation ONOE: n=28, snr=5, startrate=4, throughput=406856.4488

Simulation SAMPLE: n=28, snr=5, startrate=4, throughput=406856.4488

---------------------------------------------------------------

sim.time is: 1-31-22-29

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9382

pk\_suc: 0.0618

pk\_per: 0

through: 5.0350e+005

energyeff: 2.2987e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9440

pk\_suc: 0.0541

pk\_per: 0.0019

through: 4.6761e+005

energyeff: 2.5480e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9417

pk\_suc: 0.0526

pk\_per: 0.0057

through: 8.0500e+005

energyeff: 1.3414e-007

---------------------------------------------------------------

sim.time is: 1-31-22-30

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9382

pk\_suc: 0.0618

pk\_per: 0

through: 5.0391e+005

energyeff: 2.2967e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9439

pk\_suc: 0.0544

pk\_per: 0.0017

through: 4.6995e+005

energyeff: 2.5308e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 8 sec...

Static =

pk\_col: 0.9433

pk\_suc: 0.0513

pk\_per: 0.0054

through: 7.8296e+005

energyeff: 1.3784e-007

---------------------------------------------------------------

sim.time is: 1-31-22-30

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9378

pk\_suc: 0.0622

pk\_per: 0

through: 5.0732e+005

energyeff: 2.2828e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9442

pk\_suc: 0.0537

pk\_per: 0.0021

through: 4.6386e+005

energyeff: 2.5659e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9417

pk\_suc: 0.0534

pk\_per: 0.0049

through: 8.1532e+005

energyeff: 1.3256e-007

---------------------------------------------------------------

sim.time is: 1-31-22-30

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9385

pk\_suc: 0.0615

pk\_per: 0

through: 5.0318e+005

energyeff: 2.3100e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9436

pk\_suc: 0.0545

pk\_per: 0.0019

through: 4.7111e+005

energyeff: 2.5267e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 6 sec...

Static =

pk\_col: 0.9426

pk\_suc: 0.0530

pk\_per: 0.0044

through: 8.0732e+005

energyeff: 1.3384e-007

Simulation AARF: n=28, snr=10, startrate=4, throughput=504480.4705

Simulation ONOE: n=28, snr=10, startrate=4, throughput=468132.0835

Simulation SAMPLE: n=28, snr=10, startrate=4, throughput=468132.0835

---------------------------------------------------------------

sim.time is: 1-31-22-31

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9386

pk\_suc: 0.0614

pk\_per: 0

through: 5.0108e+005

energyeff: 2.3144e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9430

pk\_suc: 0.0565

pk\_per: 4.6963e-004

through: 4.8934e+005

energyeff: 2.4330e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Static =

pk\_col: 0.9442

pk\_suc: 0.0542

pk\_per: 0.0016

through: 8.3230e+005

energyeff: 1.3014e-007

---------------------------------------------------------------

sim.time is: 1-31-22-31

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9382

pk\_suc: 0.0618

pk\_per: 0

through: 5.0426e+005

energyeff: 2.2995e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9439

pk\_suc: 0.0556

pk\_per: 5.0388e-004

through: 4.7972e+005

energyeff: 2.4748e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9437

pk\_suc: 0.0541

pk\_per: 0.0022

through: 8.2972e+005

energyeff: 1.2904e-007

---------------------------------------------------------------

sim.time is: 1-31-22-32

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9374

pk\_suc: 0.0626

pk\_per: 0

through: 5.1187e+005

energyeff: 2.2686e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9429

pk\_suc: 0.0567

pk\_per: 4.0676e-004

through: 4.9148e+005

energyeff: 2.4266e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9433

pk\_suc: 0.0541

pk\_per: 0.0025

through: 8.3309e+005

energyeff: 1.2762e-007

---------------------------------------------------------------

sim.time is: 1-31-22-32

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9388

pk\_suc: 0.0612

pk\_per: 0

through: 4.9891e+005

energyeff: 2.3214e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9435

pk\_suc: 0.0560

pk\_per: 5.6035e-004

through: 4.8293e+005

energyeff: 2.4580e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9433

pk\_suc: 0.0539

pk\_per: 0.0028

through: 8.2960e+005

energyeff: 1.2818e-007

Simulation AARF: n=28, snr=15, startrate=4, throughput=504030.2538

Simulation ONOE: n=28, snr=15, startrate=4, throughput=485867.0563

Simulation SAMPLE: n=28, snr=15, startrate=4, throughput=485867.0563

---------------------------------------------------------------

sim.time is: 1-31-22-33

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9377

pk\_suc: 0.0623

pk\_per: 0

through: 5.0729e+005

energyeff: 2.2807e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9435

pk\_suc: 0.0565

pk\_per: 6.4027e-005

through: 4.8877e+005

energyeff: 2.4333e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9428

pk\_suc: 0.0563

pk\_per: 9.3585e-004

through: 8.6958e+005

energyeff: 1.2206e-007

---------------------------------------------------------------

sim.time is: 1-31-22-33

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9383

pk\_suc: 0.0617

pk\_per: 0

through: 5.0531e+005

energyeff: 2.3006e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9437

pk\_suc: 0.0562

pk\_per: 1.0616e-004

through: 4.8783e+005

energyeff: 2.4457e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9434

pk\_suc: 0.0556

pk\_per: 0.0010

through: 8.5939e+005

energyeff: 1.2299e-007

---------------------------------------------------------------

sim.time is: 1-31-22-33

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9395

pk\_suc: 0.0605

pk\_per: 0

through: 4.9387e+005

energyeff: 2.3475e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9442

pk\_suc: 0.0557

pk\_per: 1.0531e-004

through: 4.8231e+005

energyeff: 2.4665e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9431

pk\_suc: 0.0561

pk\_per: 7.7353e-004

through: 8.6705e+005

energyeff: 1.2296e-007

---------------------------------------------------------------

sim.time is: 1-31-22-34

number of packets to be simulated: 5292

---------------------------------------------------------------

Simulation AARF: n=28, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9380

pk\_suc: 0.0620

pk\_per: 0

through: 5.0505e+005

energyeff: 2.2906e-007

---------------------------------------------------------------

Simulation ONOE: n=28, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9438

pk\_suc: 0.0560

pk\_per: 1.3759e-004

through: 4.8430e+005

energyeff: 2.4525e-007

---------------------------------------------------------------

Simulation Sample: n=28, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9436

pk\_suc: 0.0554

pk\_per: 0.0010

through: 8.5516e+005

energyeff: 1.2437e-007

Simulation AARF: n=28, snr=20, startrate=4, throughput=502878.8792

Simulation ONOE: n=28, snr=20, startrate=4, throughput=485802.4316

Simulation SAMPLE: n=28, snr=20, startrate=4, throughput=485802.4316

---------------------------------------------------------------

sim.time is: 1-31-22-34

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9435

pk\_suc: 0.0565

pk\_per: 0

through: 4.7198e+005

energyeff: 2.5117e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9457

pk\_suc: 0.0439

pk\_per: 0.0104

through: 3.8136e+005

energyeff: 3.1579e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 12 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9447

pk\_suc: 0.0411

pk\_per: 0.0142

through: 6.3240e+005

energyeff: 1.7595e-007

---------------------------------------------------------------

sim.time is: 1-31-22-35

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9434

pk\_suc: 0.0566

pk\_per: 0

through: 4.7364e+005

energyeff: 2.5096e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9448

pk\_suc: 0.0450

pk\_per: 0.0103

through: 3.9128e+005

energyeff: 3.0810e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9446

pk\_suc: 0.0409

pk\_per: 0.0145

through: 6.2647e+005

energyeff: 1.7849e-007

---------------------------------------------------------------

sim.time is: 1-31-22-35

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9434

pk\_suc: 0.0566

pk\_per: 0

through: 4.7433e+005

energyeff: 2.5099e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9468

pk\_suc: 0.0432

pk\_per: 0.0099

through: 3.7572e+005

energyeff: 3.2084e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9445

pk\_suc: 0.0417

pk\_per: 0.0138

through: 6.3841e+005

energyeff: 1.7504e-007

---------------------------------------------------------------

sim.time is: 1-31-22-36

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9424

pk\_suc: 0.0576

pk\_per: 0

through: 4.8045e+005

energyeff: 2.4664e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9454

pk\_suc: 0.0443

pk\_per: 0.0103

through: 3.8509e+005

energyeff: 3.1262e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9448

pk\_suc: 0.0415

pk\_per: 0.0137

through: 6.3812e+005

energyeff: 1.7565e-007

Simulation AARF: n=29, snr=5, startrate=4, throughput=475100.9188

Simulation ONOE: n=29, snr=5, startrate=4, throughput=383363.3905

Simulation SAMPLE: n=29, snr=5, startrate=4, throughput=383363.3905

---------------------------------------------------------------

sim.time is: 1-31-22-37

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9432

pk\_suc: 0.0568

pk\_per: 0

through: 4.7605e+005

energyeff: 2.5001e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9485

pk\_suc: 0.0502

pk\_per: 0.0013

through: 4.4198e+005

energyeff: 2.7490e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9476

pk\_suc: 0.0479

pk\_per: 0.0045

through: 7.4320e+005

energyeff: 1.4984e-007

---------------------------------------------------------------

sim.time is: 1-31-22-37

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9426

pk\_suc: 0.0574

pk\_per: 0

through: 4.8093e+005

energyeff: 2.4745e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9477

pk\_suc: 0.0506

pk\_per: 0.0017

through: 4.4757e+005

energyeff: 2.7265e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9474

pk\_suc: 0.0485

pk\_per: 0.0040

through: 7.5622e+005

energyeff: 1.4811e-007

---------------------------------------------------------------

sim.time is: 1-31-22-38

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9430

pk\_suc: 0.0570

pk\_per: 0

through: 4.7684e+005

energyeff: 2.4921e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9479

pk\_suc: 0.0506

pk\_per: 0.0015

through: 4.4677e+005

energyeff: 2.7268e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Static =

pk\_col: 0.9470

pk\_suc: 0.0482

pk\_per: 0.0048

through: 7.5384e+005

energyeff: 1.4679e-007

---------------------------------------------------------------

sim.time is: 1-31-22-38

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9436

pk\_suc: 0.0564

pk\_per: 0

through: 4.7119e+005

energyeff: 2.5174e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9471

pk\_suc: 0.0513

pk\_per: 0.0016

through: 4.5165e+005

energyeff: 2.6917e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Static =

pk\_col: 0.9468

pk\_suc: 0.0486

pk\_per: 0.0045

through: 7.5844e+005

energyeff: 1.4671e-007

Simulation AARF: n=29, snr=10, startrate=4, throughput=476253.5314

Simulation ONOE: n=29, snr=10, startrate=4, throughput=446992.1165

Simulation SAMPLE: n=29, snr=10, startrate=4, throughput=446992.1165

---------------------------------------------------------------

sim.time is: 1-31-22-38

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9437

pk\_suc: 0.0563

pk\_per: 0

through: 4.7160e+005

energyeff: 2.5205e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9475

pk\_suc: 0.0522

pk\_per: 3.4852e-004

through: 4.6151e+005

energyeff: 2.6415e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9470

pk\_suc: 0.0507

pk\_per: 0.0023

through: 7.9548e+005

energyeff: 1.3750e-007

---------------------------------------------------------------

sim.time is: 1-31-22-39

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9432

pk\_suc: 0.0568

pk\_per: 0

through: 4.7541e+005

energyeff: 2.5016e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9480

pk\_suc: 0.0516

pk\_per: 3.8297e-004

through: 4.5586e+005

energyeff: 2.6722e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Static =

pk\_col: 0.9474

pk\_suc: 0.0504

pk\_per: 0.0021

through: 7.8966e+005

energyeff: 1.4040e-007

---------------------------------------------------------------

sim.time is: 1-31-22-39

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9433

pk\_suc: 0.0567

pk\_per: 0

through: 4.7421e+005

energyeff: 2.5055e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9480

pk\_suc: 0.0517

pk\_per: 3.5478e-004

through: 4.5641e+005

energyeff: 2.6689e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Static =

pk\_col: 0.9478

pk\_suc: 0.0496

pk\_per: 0.0026

through: 7.7873e+005

energyeff: 1.4119e-007

---------------------------------------------------------------

sim.time is: 1-31-22-40

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9447

pk\_suc: 0.0553

pk\_per: 0

through: 4.6273e+005

energyeff: 2.5665e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9471

pk\_suc: 0.0525

pk\_per: 4.8686e-004

through: 4.6305e+005

energyeff: 2.6267e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9478

pk\_suc: 0.0500

pk\_per: 0.0021

through: 7.8292e+005

energyeff: 1.3963e-007

Simulation AARF: n=29, snr=15, startrate=4, throughput=470986.1628

Simulation ONOE: n=29, snr=15, startrate=4, throughput=459207.4837

Simulation SAMPLE: n=29, snr=15, startrate=4, throughput=459207.4837

---------------------------------------------------------------

sim.time is: 1-31-22-40

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9426

pk\_suc: 0.0574

pk\_per: 0

through: 4.8100e+005

energyeff: 2.4728e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9484

pk\_suc: 0.0516

pk\_per: 1.9164e-005

through: 4.5648e+005

energyeff: 2.6692e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9484

pk\_suc: 0.0510

pk\_per: 5.9675e-004

through: 8.0512e+005

energyeff: 1.3599e-007

---------------------------------------------------------------

sim.time is: 1-31-22-41

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9449

pk\_suc: 0.0551

pk\_per: 0

through: 4.6412e+005

energyeff: 2.5773e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9476

pk\_suc: 0.0524

pk\_per: 4.8598e-005

through: 4.6297e+005

energyeff: 2.6302e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9478

pk\_suc: 0.0516

pk\_per: 5.8445e-004

through: 8.1072e+005

energyeff: 1.3575e-007

---------------------------------------------------------------

sim.time is: 1-31-22-41

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9429

pk\_suc: 0.0571

pk\_per: 0

through: 4.7664e+005

energyeff: 2.4865e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9482

pk\_suc: 0.0517

pk\_per: 6.7176e-005

through: 4.5730e+005

energyeff: 2.6658e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Static =

pk\_col: 0.9478

pk\_suc: 0.0512

pk\_per: 9.9808e-004

through: 8.0722e+005

energyeff: 1.3561e-007

---------------------------------------------------------------

sim.time is: 1-31-22-42

number of packets to be simulated: 5386

---------------------------------------------------------------

Simulation AARF: n=29, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9439

pk\_suc: 0.0561

pk\_per: 0

through: 4.6933e+005

energyeff: 2.5317e-007

---------------------------------------------------------------

Simulation ONOE: n=29, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9482

pk\_suc: 0.0517

pk\_per: 2.8818e-005

through: 4.5823e+005

energyeff: 2.6617e-007

---------------------------------------------------------------

Simulation Sample: n=29, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9479

pk\_suc: 0.0516

pk\_per: 5.4549e-004

through: 8.0876e+005

energyeff: 1.3506e-007

Simulation AARF: n=29, snr=20, startrate=4, throughput=472771.841

Simulation ONOE: n=29, snr=20, startrate=4, throughput=458742.8994

Simulation SAMPLE: n=29, snr=20, startrate=4, throughput=458742.8994

---------------------------------------------------------------

sim.time is: 1-31-22-42

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9481

pk\_suc: 0.0519

pk\_per: 0

through: 4.4537e+005

energyeff: 2.7357e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=5, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9499

pk\_suc: 0.0405

pk\_per: 0.0096

through: 3.6048e+005

energyeff: 3.4257e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=5, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 12 sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 8 sec...

Static =

pk\_col: 0.9489

pk\_suc: 0.0378

pk\_per: 0.0133

through: 5.9384e+005

energyeff: 1.9269e-007

---------------------------------------------------------------

sim.time is: 1-31-22-43

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9482

pk\_suc: 0.0518

pk\_per: 0

through: 4.4439e+005

energyeff: 2.7427e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=5, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9496

pk\_suc: 0.0410

pk\_per: 0.0093

through: 3.6516e+005

energyeff: 3.3815e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=5, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9490

pk\_suc: 0.0378

pk\_per: 0.0132

through: 5.9198e+005

energyeff: 1.9382e-007

---------------------------------------------------------------

sim.time is: 1-31-22-44

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9480

pk\_suc: 0.0520

pk\_per: 0

through: 4.4582e+005

energyeff: 2.7299e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=5, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9500

pk\_suc: 0.0405

pk\_per: 0.0094

through: 3.5997e+005

energyeff: 3.4244e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=5, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Static =

pk\_col: 0.9495

pk\_suc: 0.0385

pk\_per: 0.0120

through: 6.0406e+005

energyeff: 1.9056e-007

---------------------------------------------------------------

sim.time is: 1-31-22-44

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9486

pk\_suc: 0.0514

pk\_per: 0

through: 4.4140e+005

energyeff: 2.7629e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=5, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9489

pk\_suc: 0.0416

pk\_per: 0.0095

through: 3.6907e+005

energyeff: 3.3350e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=5, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9495

pk\_suc: 0.0375

pk\_per: 0.0130

through: 5.8914e+005

energyeff: 1.9418e-007

Simulation AARF: n=30, snr=5, startrate=4, throughput=444243.8976

Simulation ONOE: n=30, snr=5, startrate=4, throughput=363672.7092

Simulation SAMPLE: n=30, snr=5, startrate=4, throughput=363672.7092

---------------------------------------------------------------

sim.time is: 1-31-22-45

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9482

pk\_suc: 0.0518

pk\_per: 0

through: 4.4469e+005

energyeff: 2.7416e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=10, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9526

pk\_suc: 0.0461

pk\_per: 0.0014

through: 4.1468e+005

energyeff: 3.0034e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=10, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9511

pk\_suc: 0.0450

pk\_per: 0.0039

through: 7.1399e+005

energyeff: 1.6052e-007

---------------------------------------------------------------

sim.time is: 1-31-22-45

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9492

pk\_suc: 0.0508

pk\_per: 0

through: 4.3564e+005

energyeff: 2.7966e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=10, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9521

pk\_suc: 0.0465

pk\_per: 0.0014

through: 4.1920e+005

energyeff: 2.9736e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=10, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 1 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9513

pk\_suc: 0.0446

pk\_per: 0.0042

through: 7.0857e+005

energyeff: 1.6104e-007

---------------------------------------------------------------

sim.time is: 1-31-22-46

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9475

pk\_suc: 0.0525

pk\_per: 0

through: 4.4932e+005

energyeff: 2.7067e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=10, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9520

pk\_suc: 0.0466

pk\_per: 0.0014

through: 4.2017e+005

energyeff: 2.9673e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=10, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 12 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9519

pk\_suc: 0.0445

pk\_per: 0.0036

through: 7.0948e+005

energyeff: 1.6152e-007

---------------------------------------------------------------

sim.time is: 1-31-22-46

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9479

pk\_suc: 0.0521

pk\_per: 0

through: 4.4629e+005

energyeff: 2.7228e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=10, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9513

pk\_suc: 0.0471

pk\_per: 0.0015

through: 4.2457e+005

energyeff: 2.9333e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=10, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 0 sec...

Static =

pk\_col: 0.9505

pk\_suc: 0.0453

pk\_per: 0.0042

through: 7.2172e+005

energyeff: 1.5781e-007

Simulation AARF: n=30, snr=10, startrate=4, throughput=443985.8302

Simulation ONOE: n=30, snr=10, startrate=4, throughput=419655.3772

Simulation SAMPLE: n=30, snr=10, startrate=4, throughput=419655.3772

---------------------------------------------------------------

sim.time is: 1-31-22-47

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9480

pk\_suc: 0.0520

pk\_per: 0

through: 4.4477e+005

energyeff: 2.7296e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=15, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9522

pk\_suc: 0.0476

pk\_per: 2.5184e-004

through: 4.2880e+005

energyeff: 2.9023e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=15, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9517

pk\_suc: 0.0461

pk\_per: 0.0022

through: 7.3758e+005

energyeff: 1.5366e-007

---------------------------------------------------------------

sim.time is: 1-31-22-48

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9489

pk\_suc: 0.0511

pk\_per: 0

through: 4.3790e+005

energyeff: 2.7763e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=15, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9516

pk\_suc: 0.0480

pk\_per: 4.1155e-004

through: 4.3321e+005

energyeff: 2.8786e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=15, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 11 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 7 sec...

Expected time to conclusion: 6 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9518

pk\_suc: 0.0464

pk\_per: 0.0018

through: 7.4152e+005

energyeff: 1.5388e-007

---------------------------------------------------------------

sim.time is: 1-31-22-48

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9472

pk\_suc: 0.0528

pk\_per: 0

through: 4.5302e+005

energyeff: 2.6867e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=15, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9528

pk\_suc: 0.0468

pk\_per: 3.6724e-004

through: 4.2149e+005

energyeff: 2.9530e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=15, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9519

pk\_suc: 0.0462

pk\_per: 0.0019

through: 7.3848e+005

energyeff: 1.5413e-007

---------------------------------------------------------------

sim.time is: 1-31-22-49

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9472

pk\_suc: 0.0528

pk\_per: 0

through: 4.5181e+005

energyeff: 2.6874e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=15, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9521

pk\_suc: 0.0475

pk\_per: 3.5582e-004

through: 4.2851e+005

energyeff: 2.9048e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=15, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 8 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9513

pk\_suc: 0.0465

pk\_per: 0.0022

through: 7.4261e+005

energyeff: 1.5136e-007

Simulation AARF: n=30, snr=15, startrate=4, throughput=446876.5786

Simulation ONOE: n=30, snr=15, startrate=4, throughput=428002.4554

Simulation SAMPLE: n=30, snr=15, startrate=4, throughput=428002.4554

---------------------------------------------------------------

sim.time is: 1-31-22-49

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9484

pk\_suc: 0.0516

pk\_per: 0

through: 4.4071e+005

energyeff: 2.7542e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=20, startrate=4 is running iteration 1. Please be patient...

Static =

pk\_col: 0.9520

pk\_suc: 0.0479

pk\_per: 4.3733e-005

through: 4.3215e+005

energyeff: 2.8806e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=20, startrate=4 is running iteration 1. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 2 sec...

Static =

pk\_col: 0.9520

pk\_suc: 0.0475

pk\_per: 5.3707e-004

through: 7.5923e+005

energyeff: 1.4826e-007

---------------------------------------------------------------

sim.time is: 1-31-22-50

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9485

pk\_suc: 0.0515

pk\_per: 0

through: 4.4188e+005

energyeff: 2.7568e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=20, startrate=4 is running iteration 2. Please be patient...

Static =

pk\_col: 0.9517

pk\_suc: 0.0483

pk\_per: 7.9287e-005

through: 4.3602e+005

energyeff: 2.8591e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=20, startrate=4 is running iteration 2. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 9 sec...

Static =

pk\_col: 0.9519

pk\_suc: 0.0473

pk\_per: 7.7661e-004

through: 7.5843e+005

energyeff: 1.4871e-007

---------------------------------------------------------------

sim.time is: 1-31-22-50

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9477

pk\_suc: 0.0523

pk\_per: 0

through: 4.4892e+005

energyeff: 2.7130e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=20, startrate=4 is running iteration 3. Please be patient...

Static =

pk\_col: 0.9527

pk\_suc: 0.0472

pk\_per: 8.6124e-005

through: 4.2590e+005

energyeff: 2.9258e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=20, startrate=4 is running iteration 3. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9521

pk\_suc: 0.0469

pk\_per: 9.2532e-004

through: 7.5317e+005

energyeff: 1.4938e-007

---------------------------------------------------------------

sim.time is: 1-31-22-51

number of packets to be simulated: 5478

---------------------------------------------------------------

Simulation AARF: n=30, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9494

pk\_suc: 0.0506

pk\_per: 0

through: 4.3447e+005

energyeff: 2.8052e-007

---------------------------------------------------------------

Simulation ONOE: n=30, snr=20, startrate=4 is running iteration 4. Please be patient...

Static =

pk\_col: 0.9514

pk\_suc: 0.0485

pk\_per: 5.3134e-005

through: 4.3925e+005

energyeff: 2.8444e-007

---------------------------------------------------------------

Simulation Sample: n=30, snr=20, startrate=4 is running iteration 4. Please be patient...

Expected time to conclusion: Inf sec...

Expected time to conclusion: 10 sec...

Expected time to conclusion: 9 sec...

Expected time to conclusion: 5 sec...

Expected time to conclusion: 4 sec...

Expected time to conclusion: 3 sec...

Expected time to conclusion: 2 sec...

Expected time to conclusion: 1 sec...

Static =

pk\_col: 0.9516

pk\_suc: 0.0477

pk\_per: 7.0478e-004

through: 7.6440e+005

energyeff: 1.4796e-007

Simulation AARF: n=30, snr=20, startrate=4, throughput=441496.9606

Simulation ONOE: n=30, snr=20, startrate=4, throughput=433330.8101

Simulation SAMPLE: n=30, snr=20, startrate=4, throughput=433330.8101

current time is: 1-31-22-51

Done, bye.

---------------------------------------------------------------

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