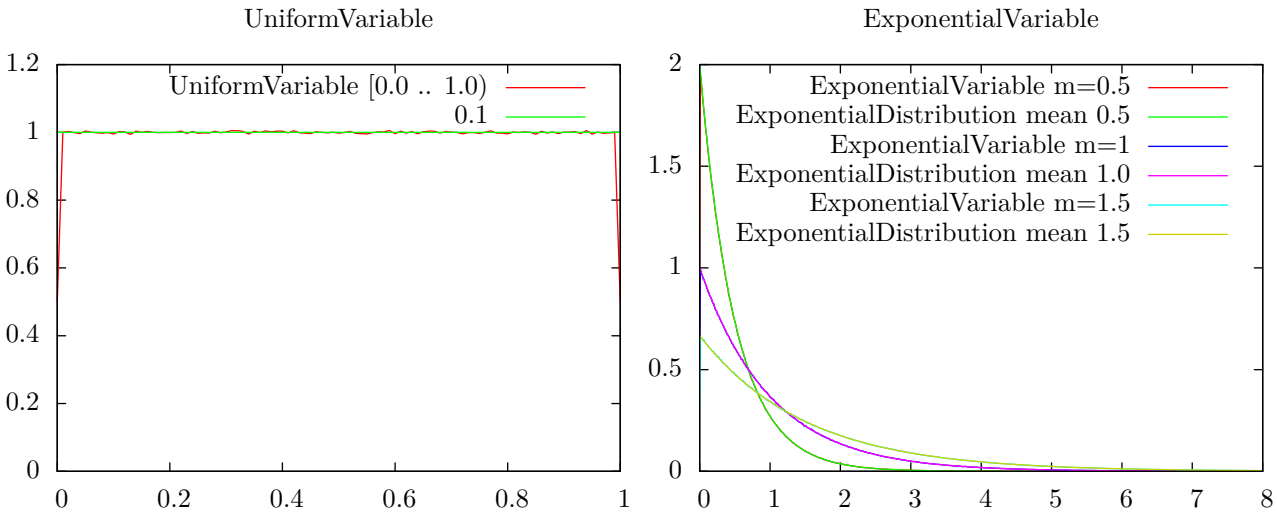
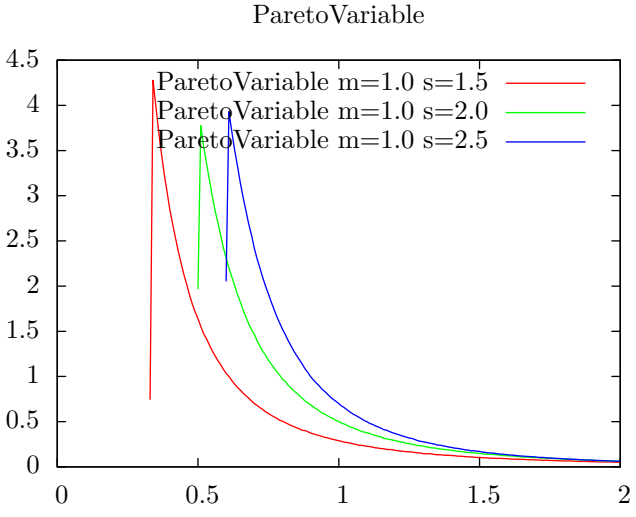
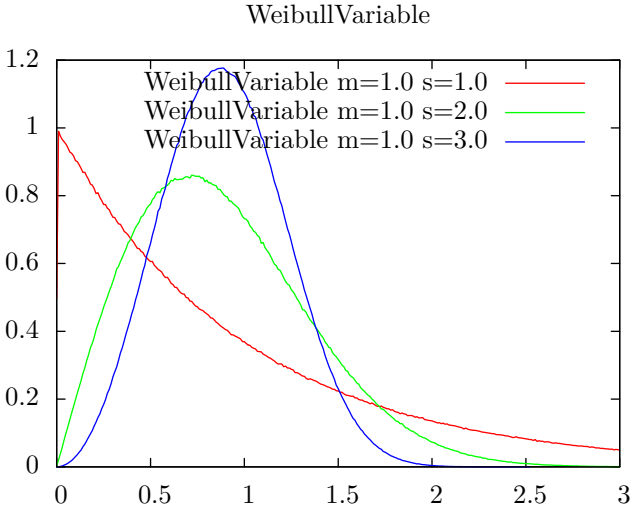
Chapter 1

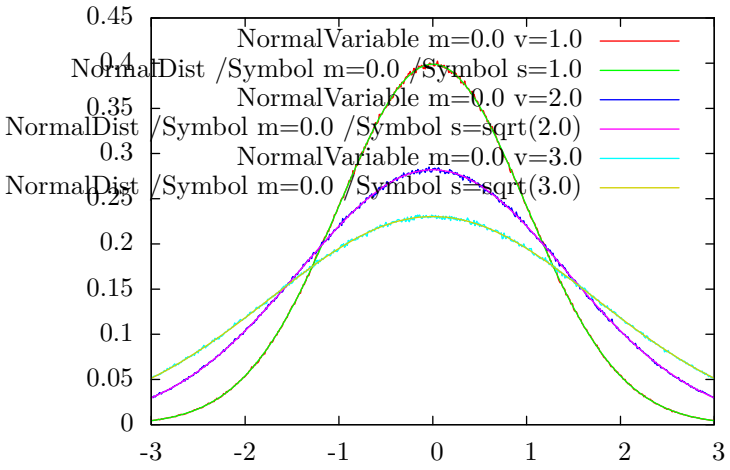
Main-Random-Variables



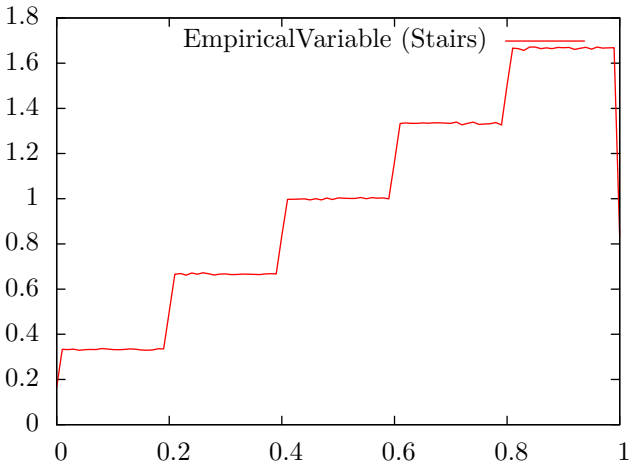




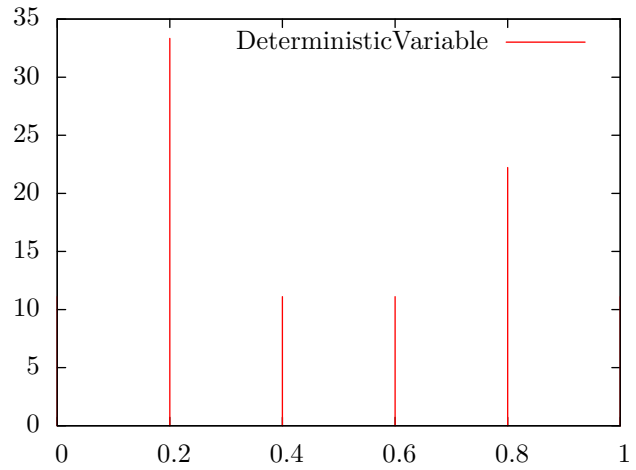
NormalVariable



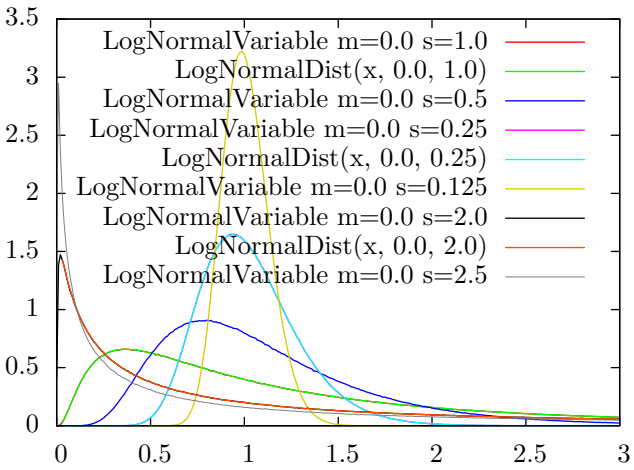
EmpiricalVariable



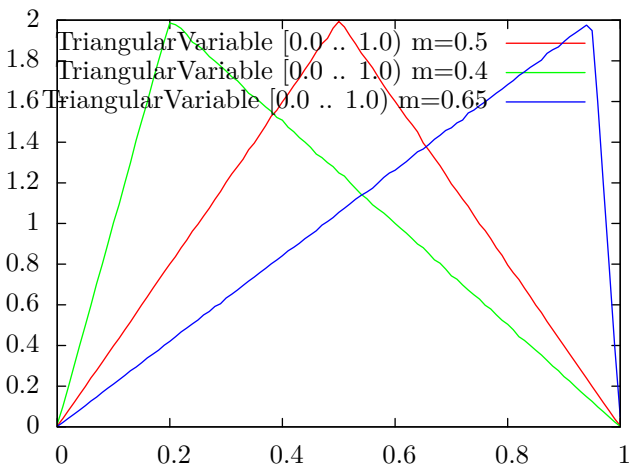
DeterministicVariable

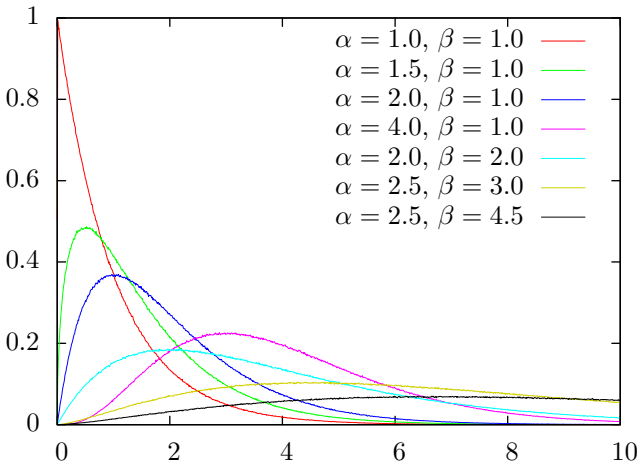


LogNormalVariable



TriangularVariable

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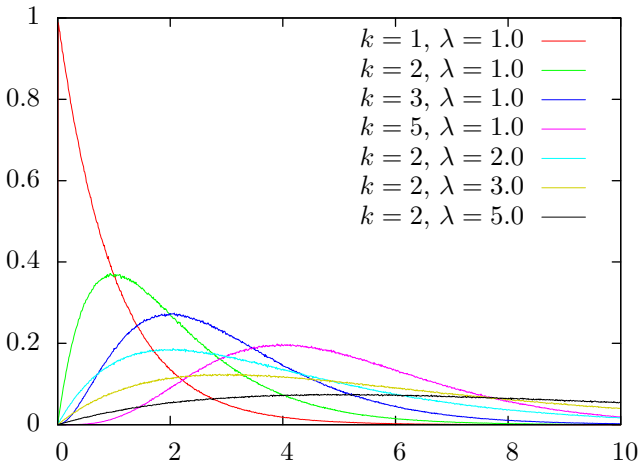
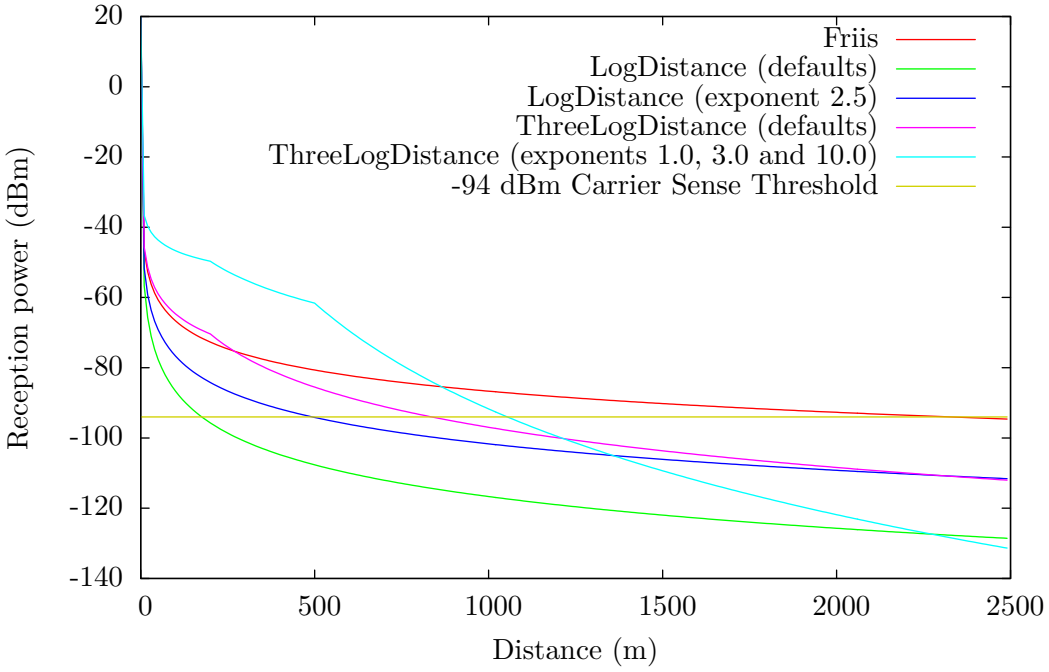
0.8
0.6
0.4
0.2
0
0
2
4
6
8
10
$\alpha = 1.0,\ \beta = 1.0$
$\alpha = 1.5,\ \beta = 1.0$
$\alpha = 2.0,\ \beta = 1.0$
$\alpha = 4.0,\ \beta = 1.0$
$\alpha = 2.0,\ \beta = 2.0$
$\alpha = 2.5,\ \beta = 3.0$
$\alpha = 2.5,\ \beta = 4.5$


1
0.8
0.6
0.4
0.2
0
0
2
4
6
8
10
$k = 1,\ \lambda = 1.0$
$k = 2,\ \lambda = 1.0$
$k = 3,\ \lambda = 1.0$
$k = 5,\ \lambda = 1.0$
$k = 2,\ \lambda = 2.0$
$k = 2,\ \lambda = 3.0$
$k = 2,\ \lambda = 5.0$

Chapter 2

Main-Propagation-Loss

2.1 ns-3



Multi Deterministic Propagation Losses
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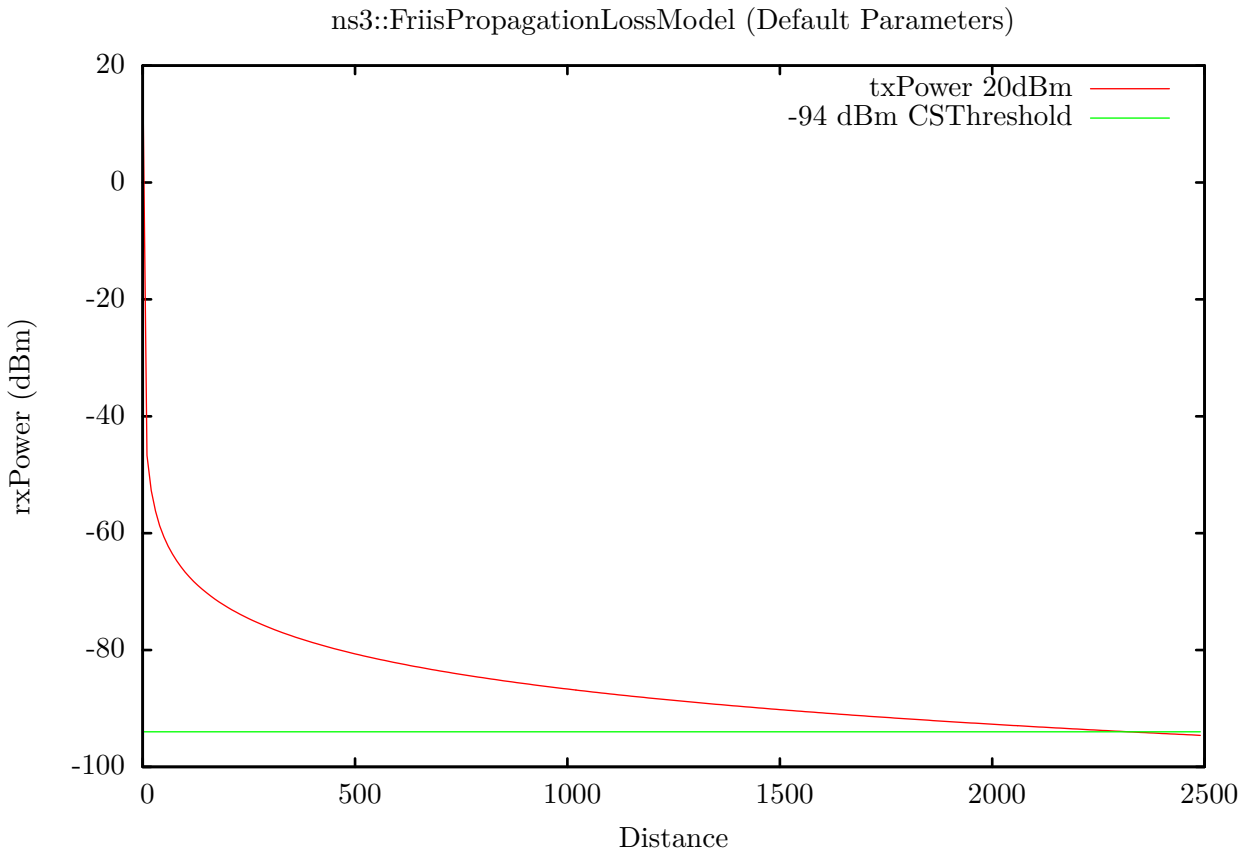
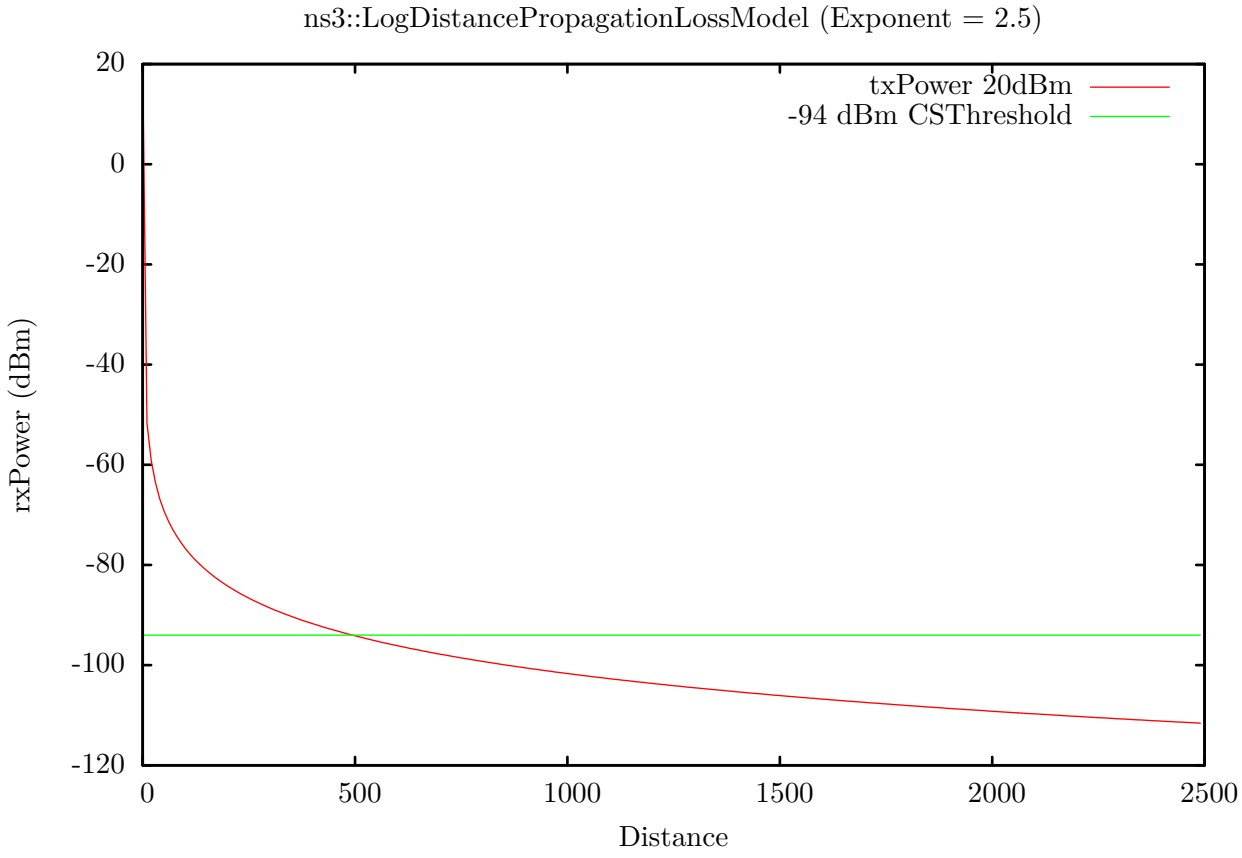
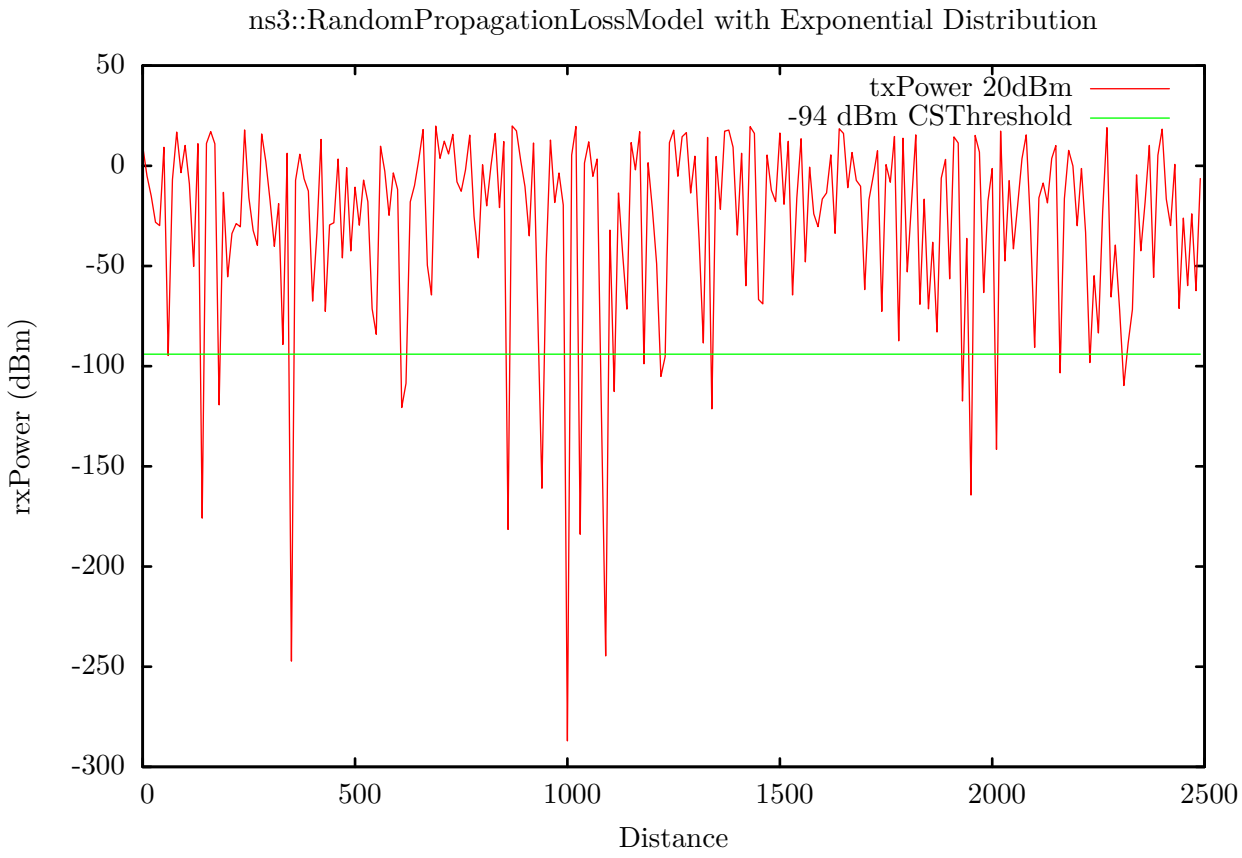


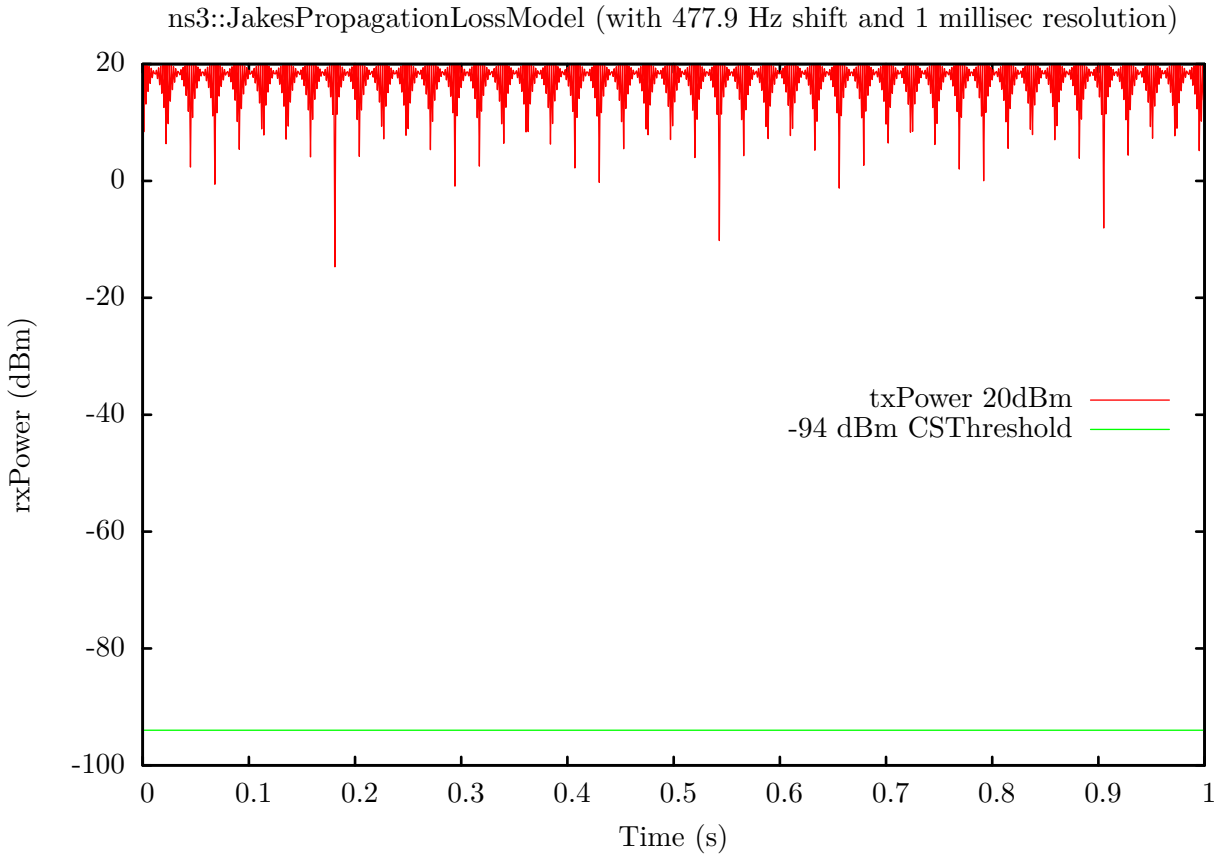
plots/main-propagation-loss-1.tex



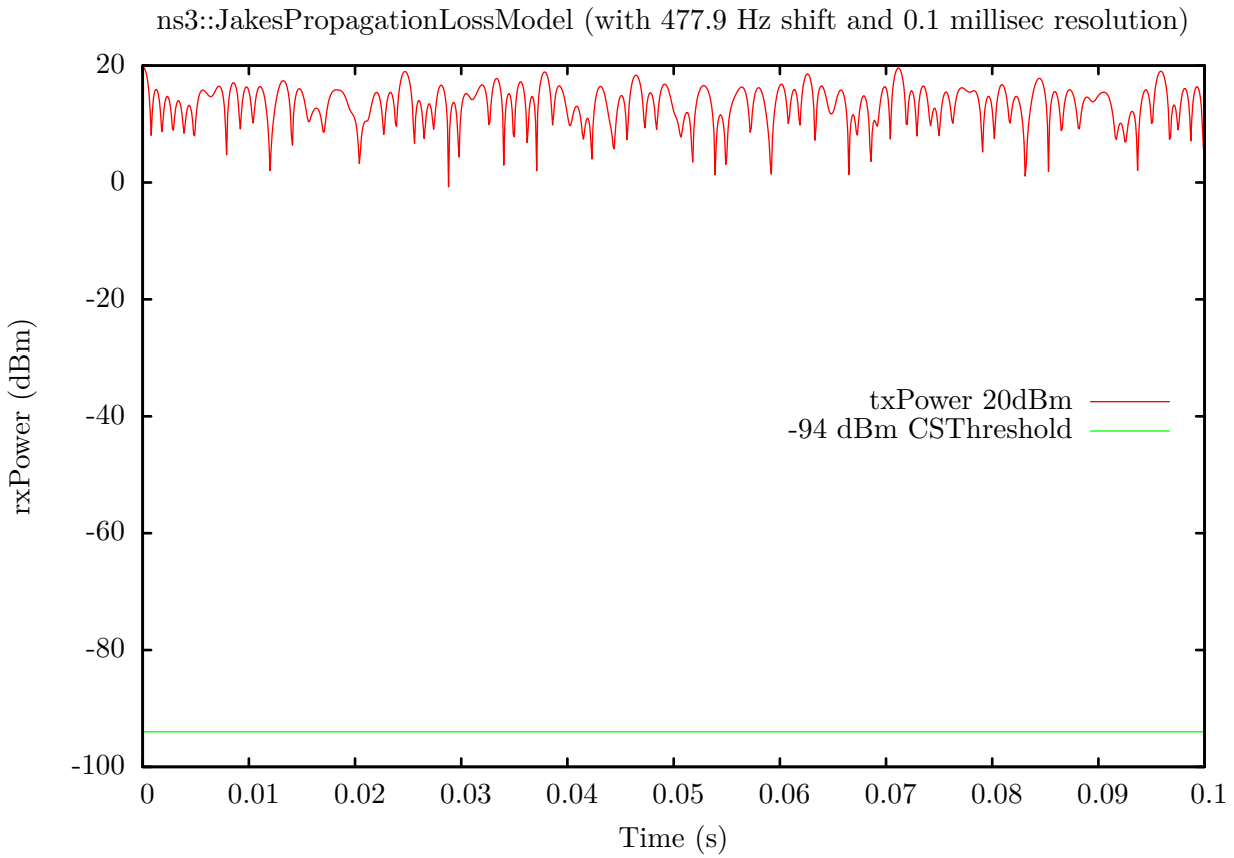
plots/main-propagation-loss-2.tex



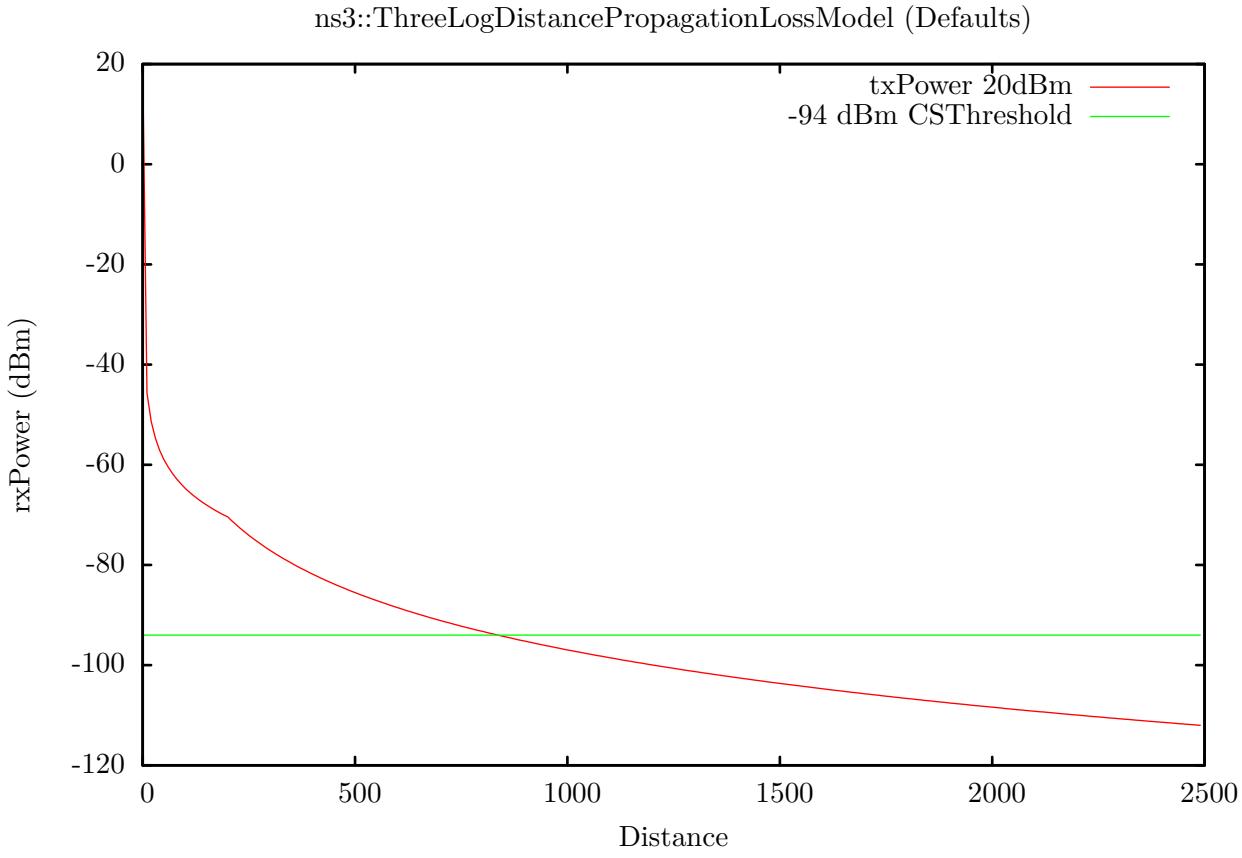
plots/main-propagation-loss-3.tex



plots/main-propagation-loss-4.tex



plots/main-propagation-loss-5.tex



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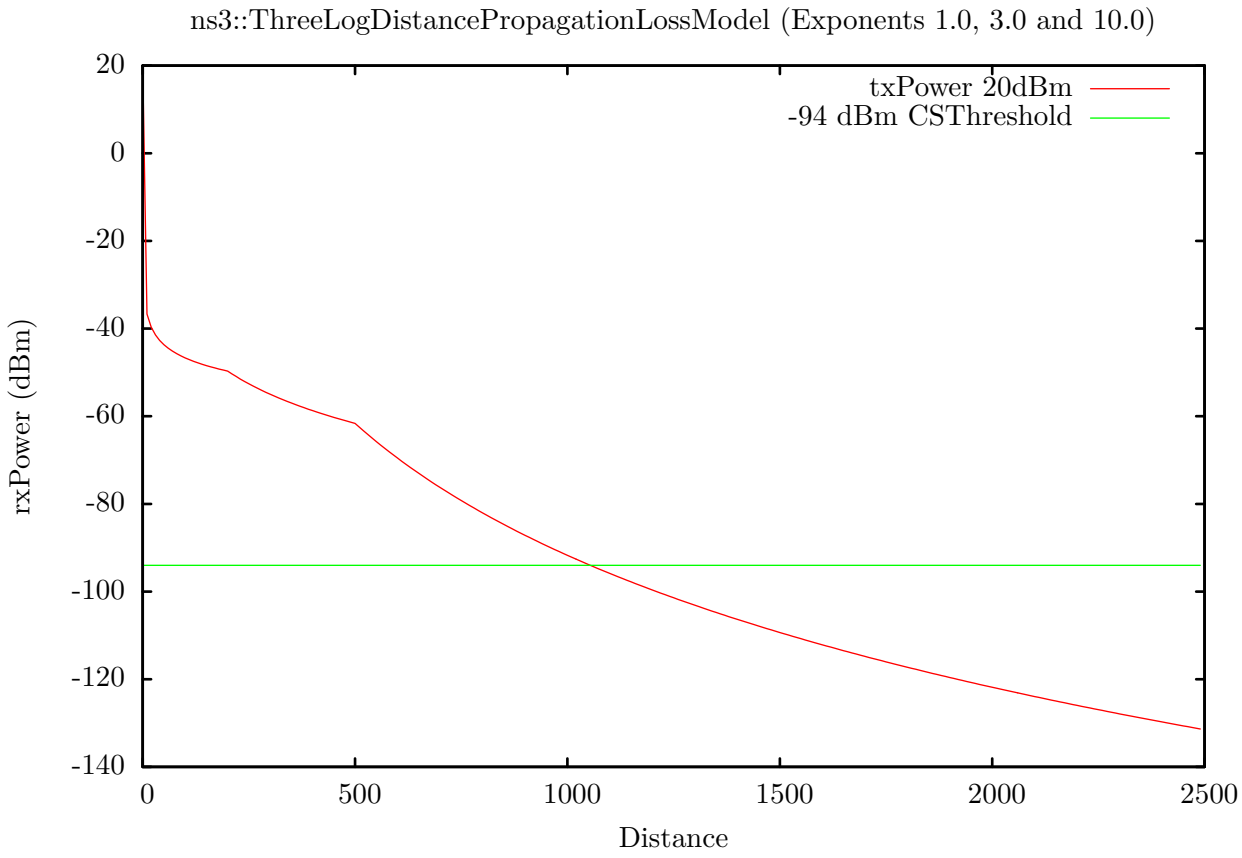

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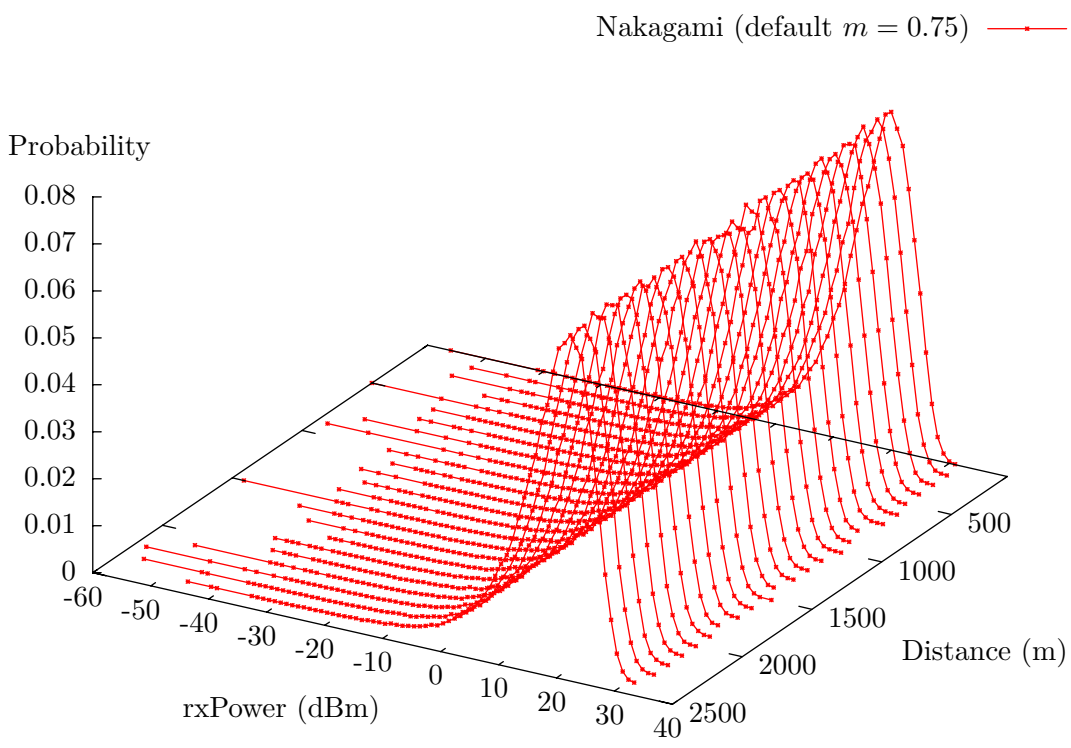

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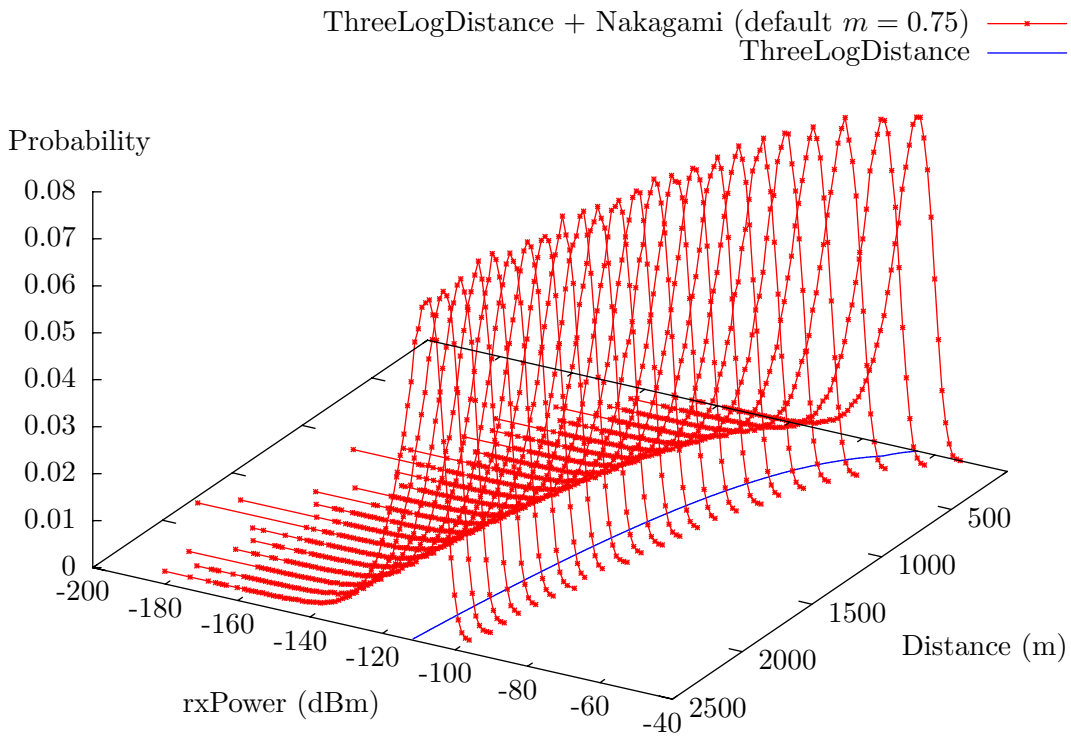
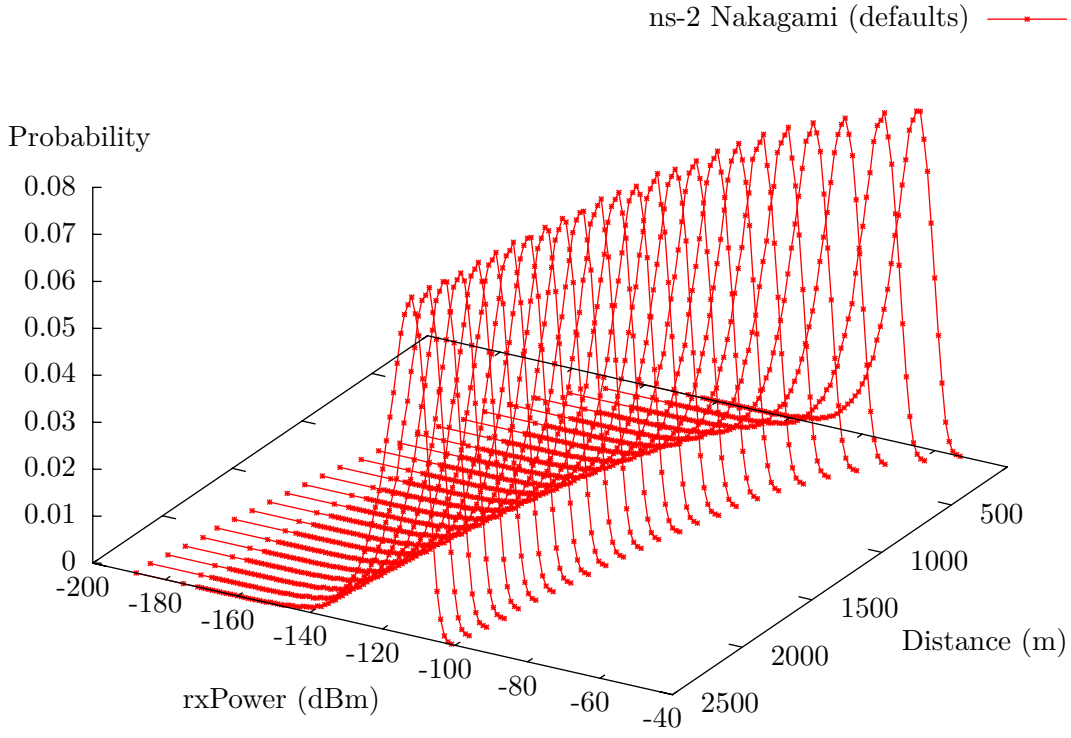


plots/main-propagation-loss-9.tex

2.2 ns-2

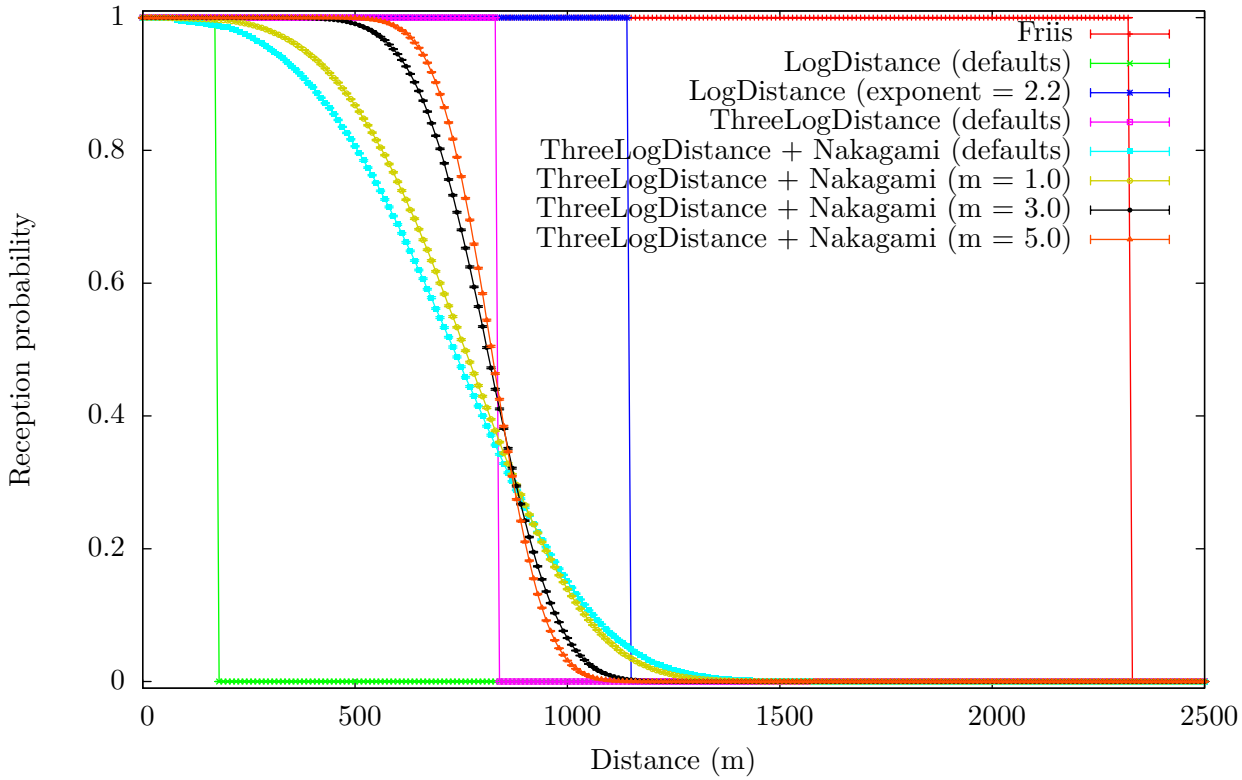


plots/ns-2-nakagami.tex

Chapter 3

Two-Nodes-Propagation

3.1 By PHY Model



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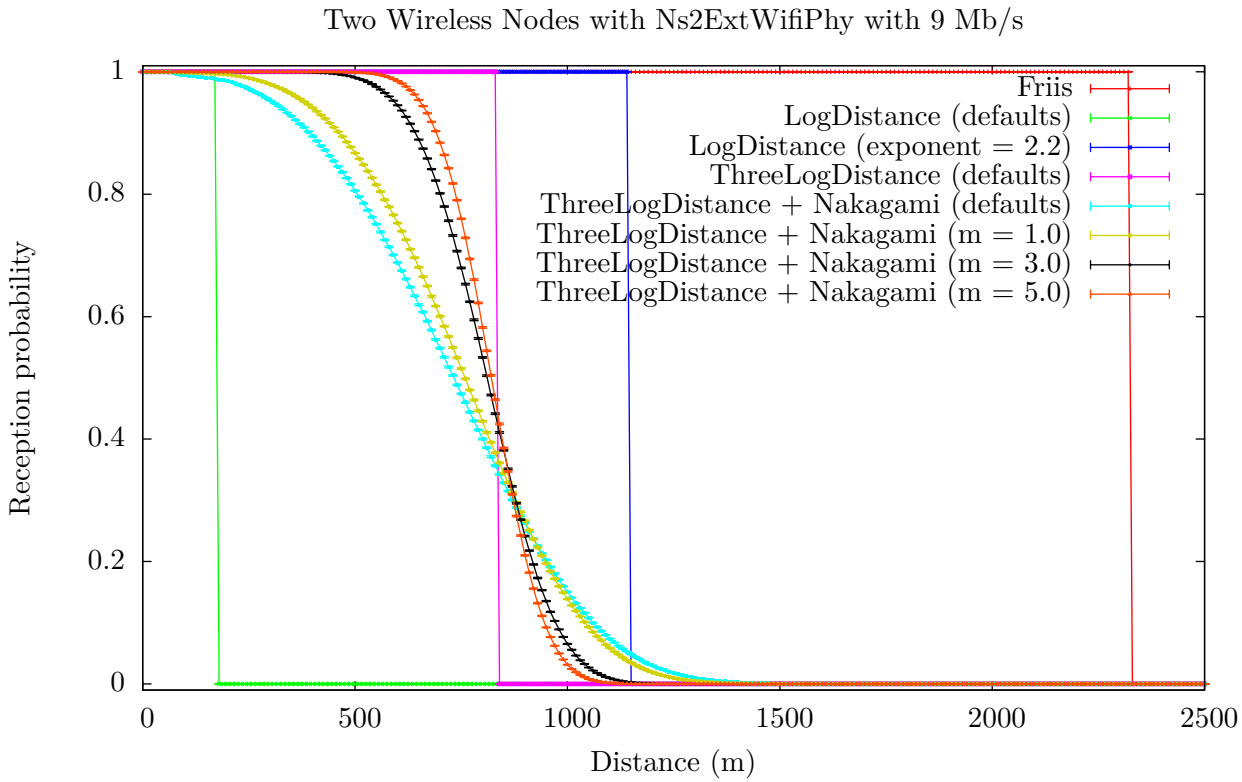

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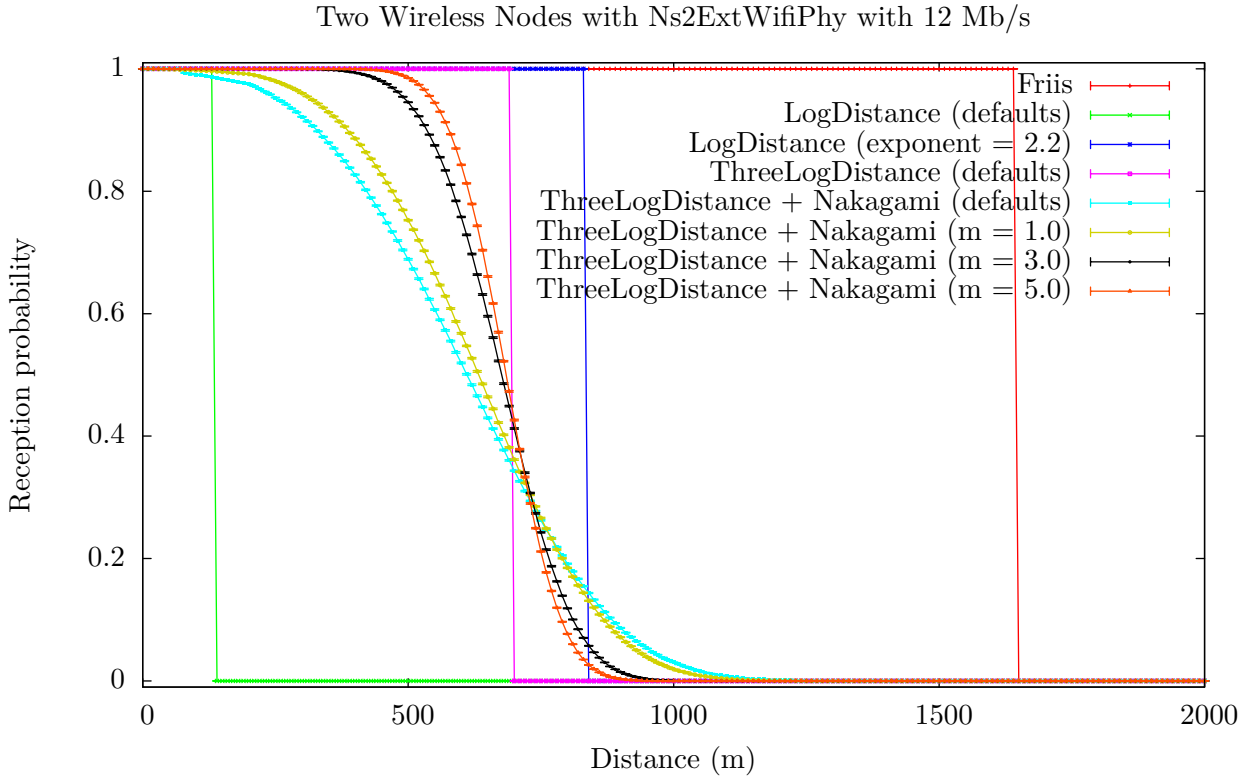

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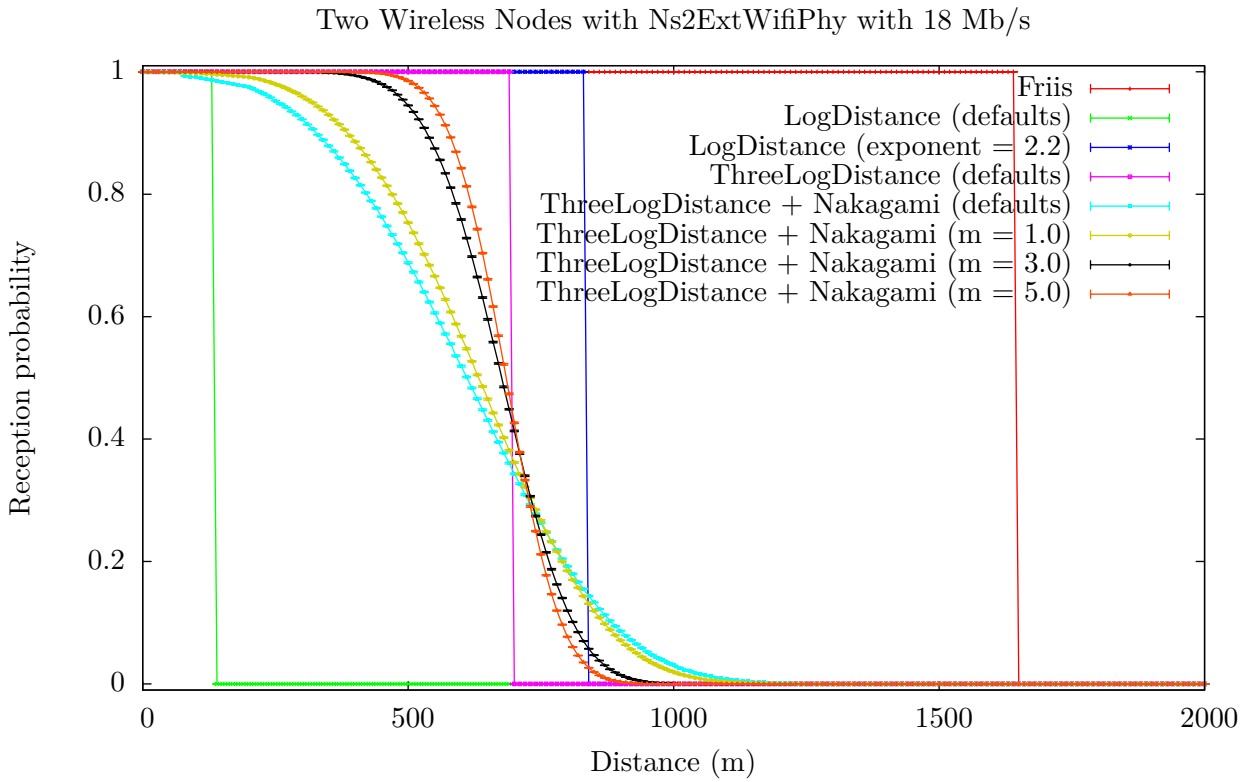

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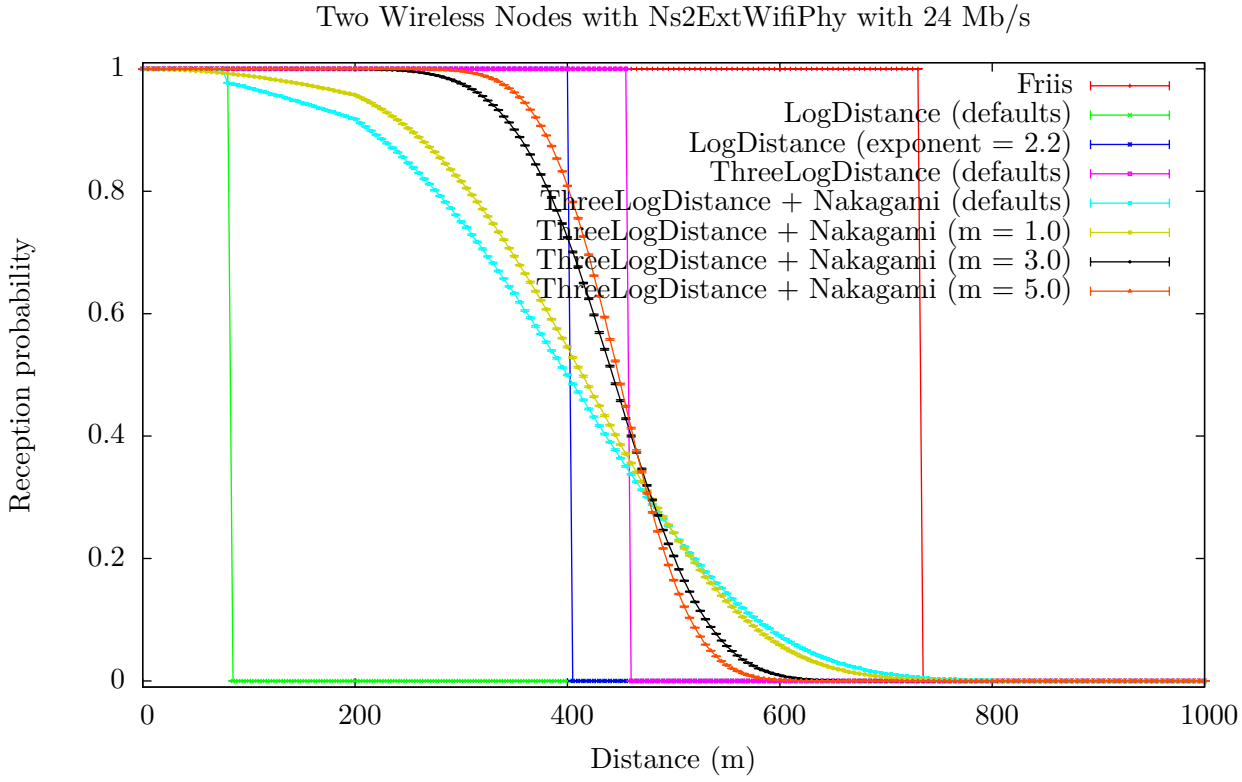

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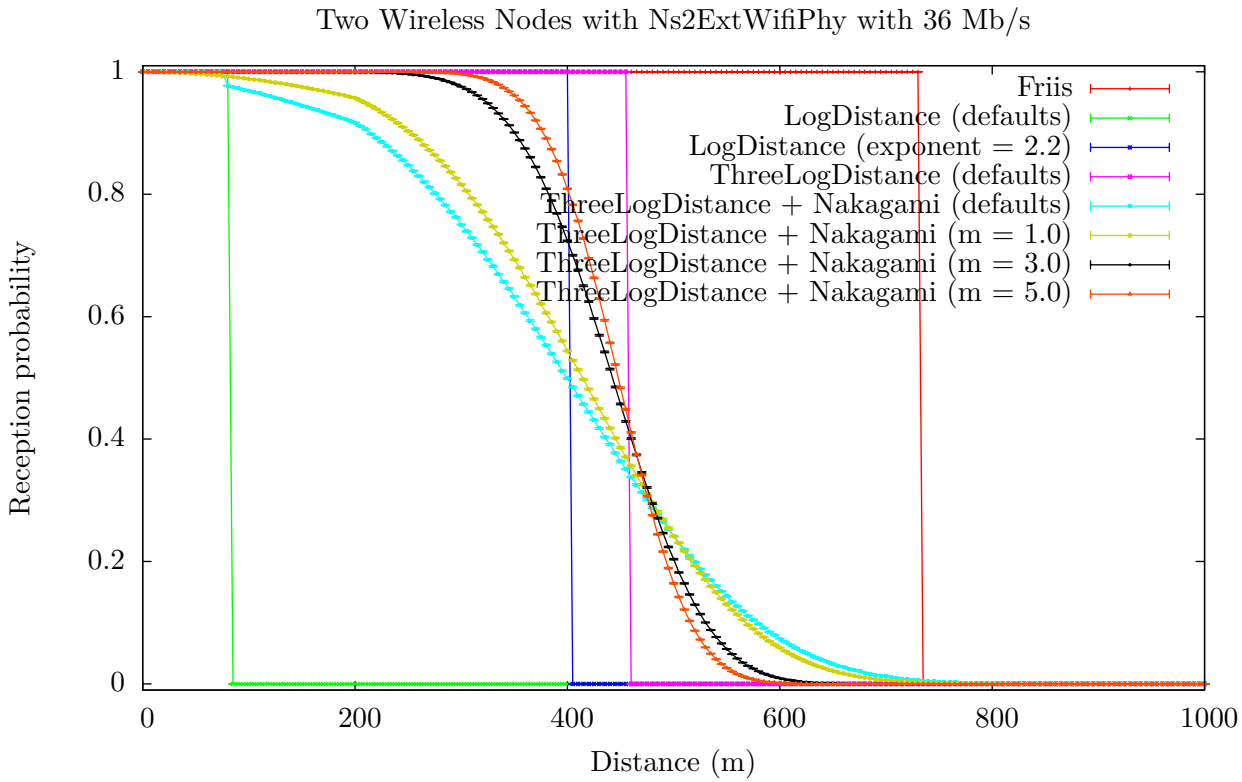
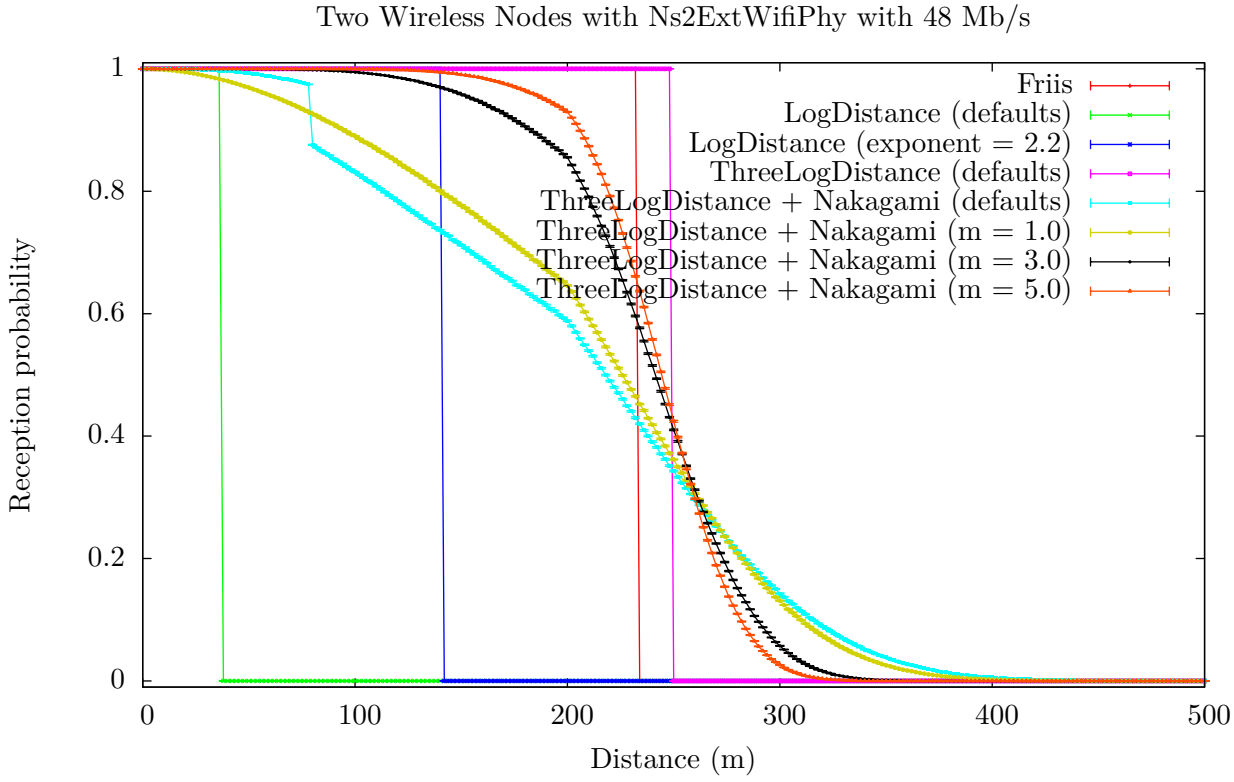


plots/two-nodes-propagation-models-6.tex



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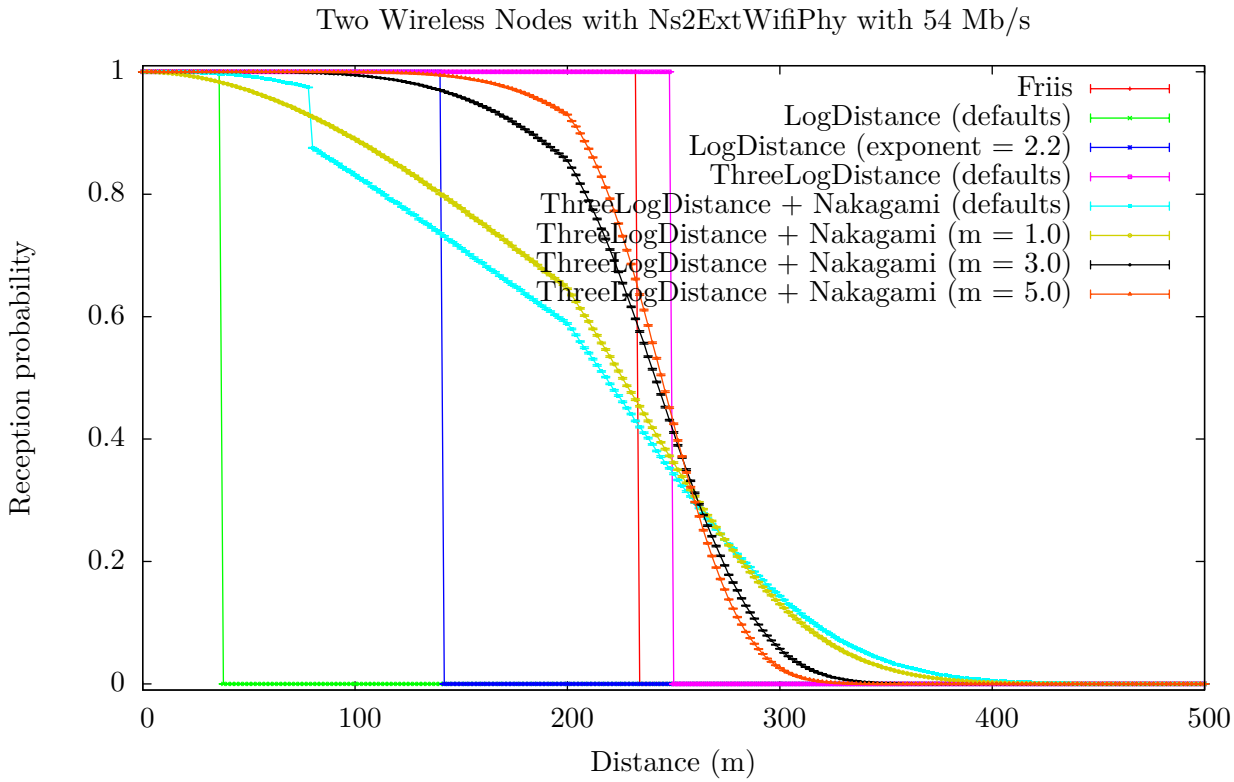

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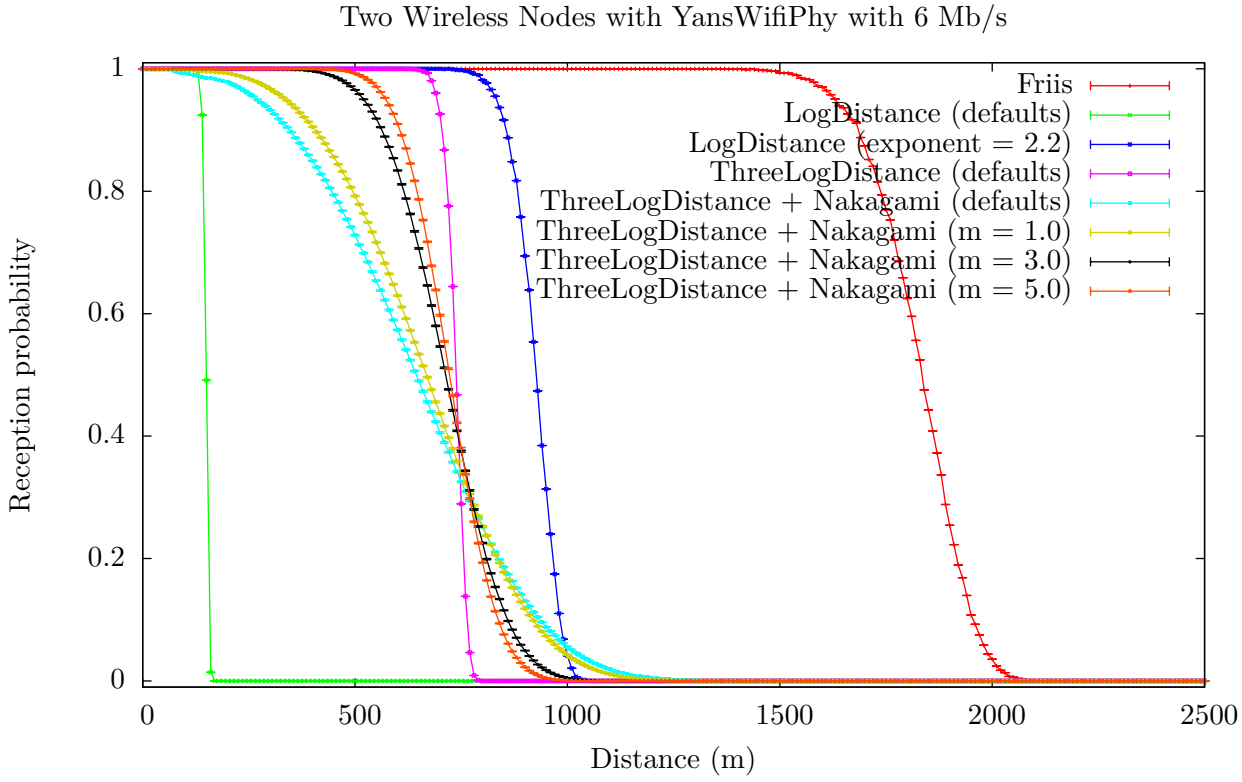
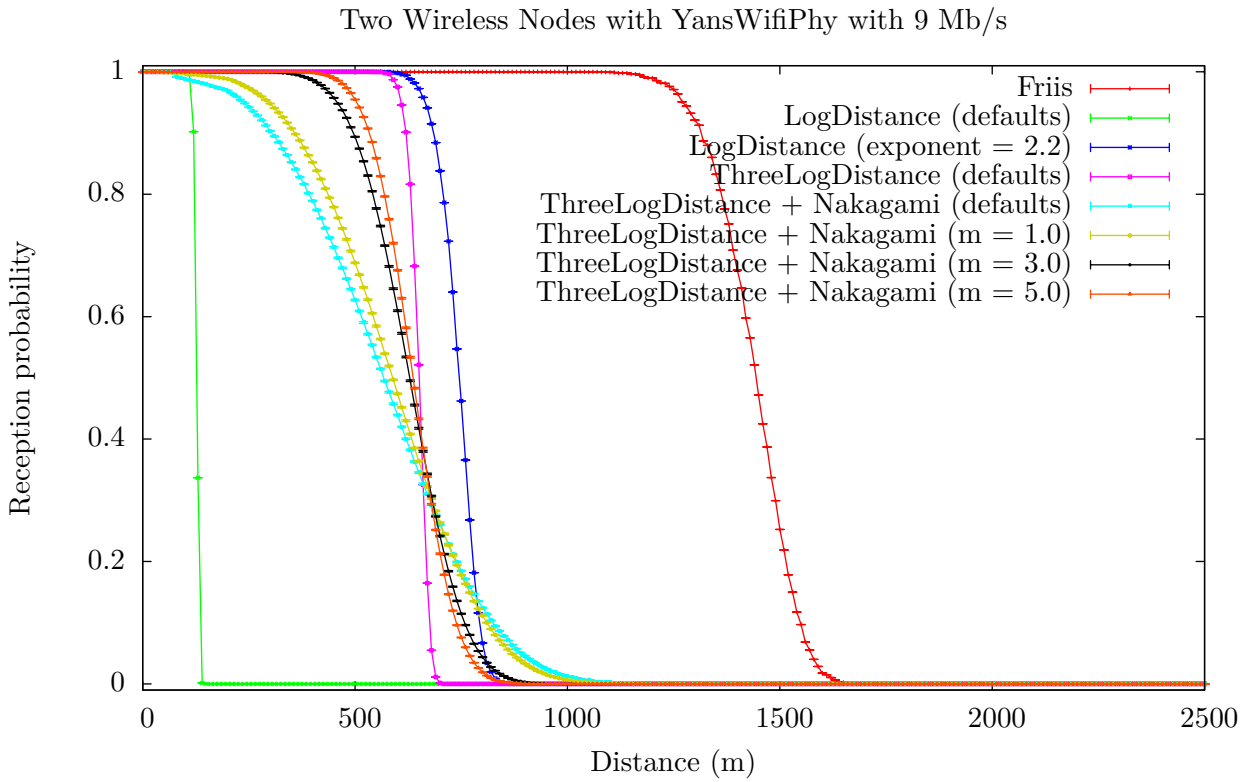


plots/two-nodes-propagation-models-9.tex



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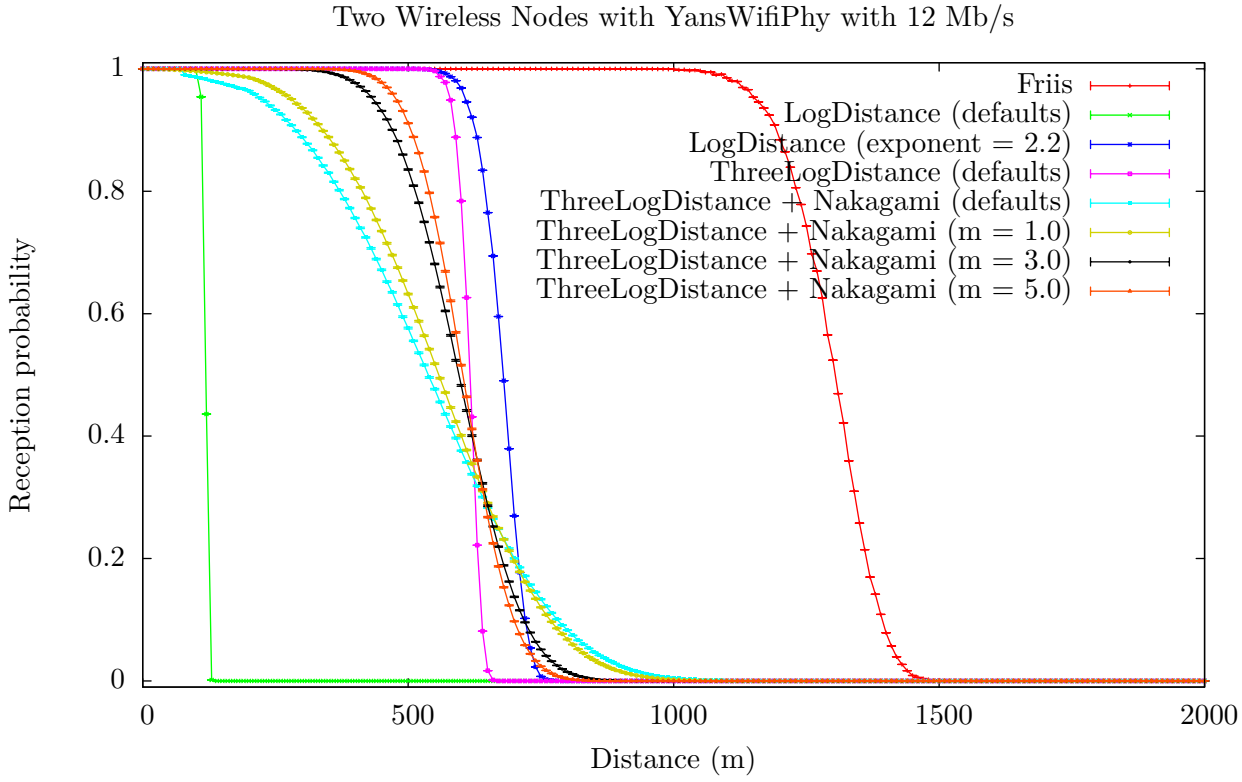

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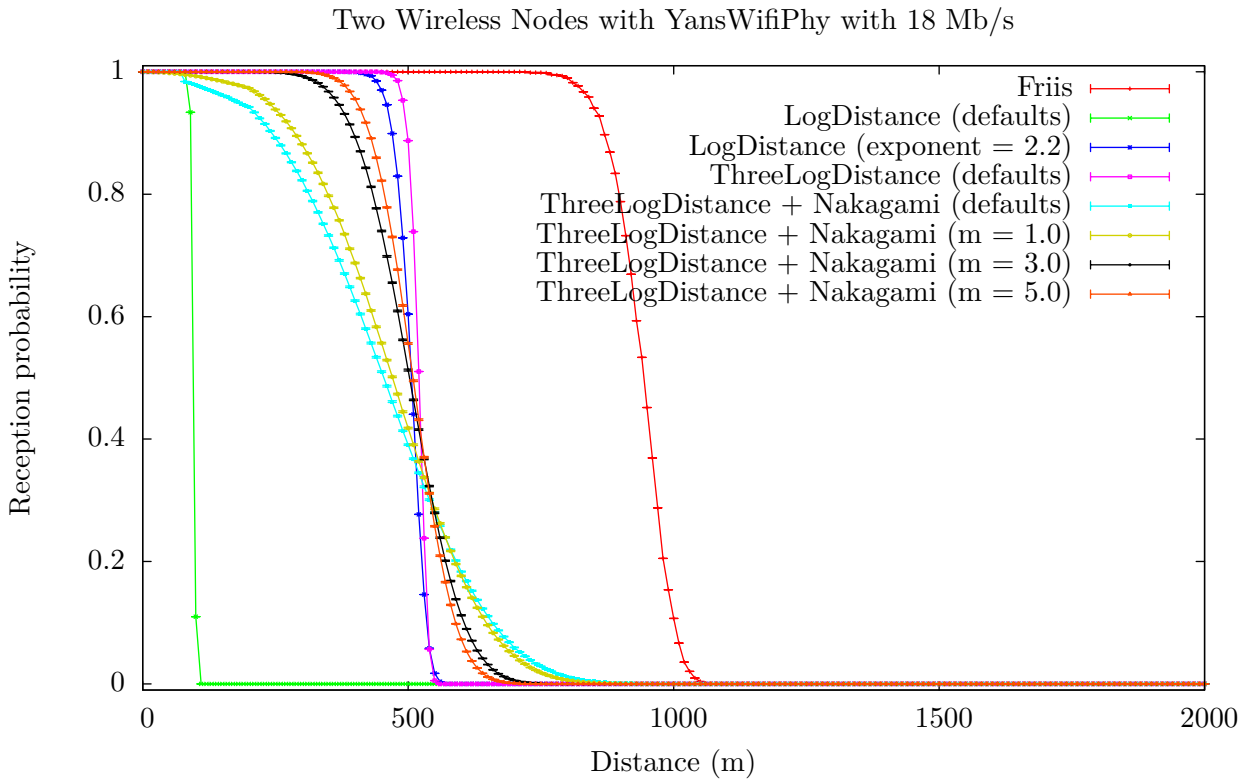

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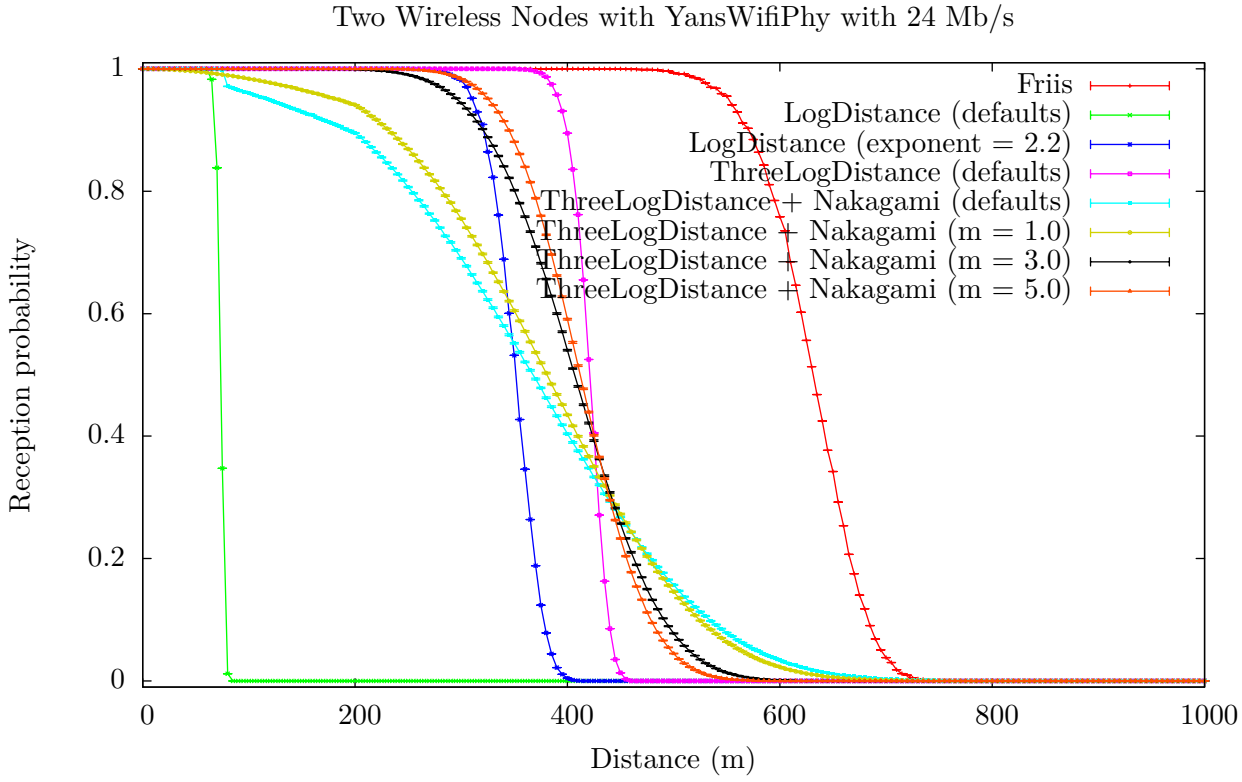

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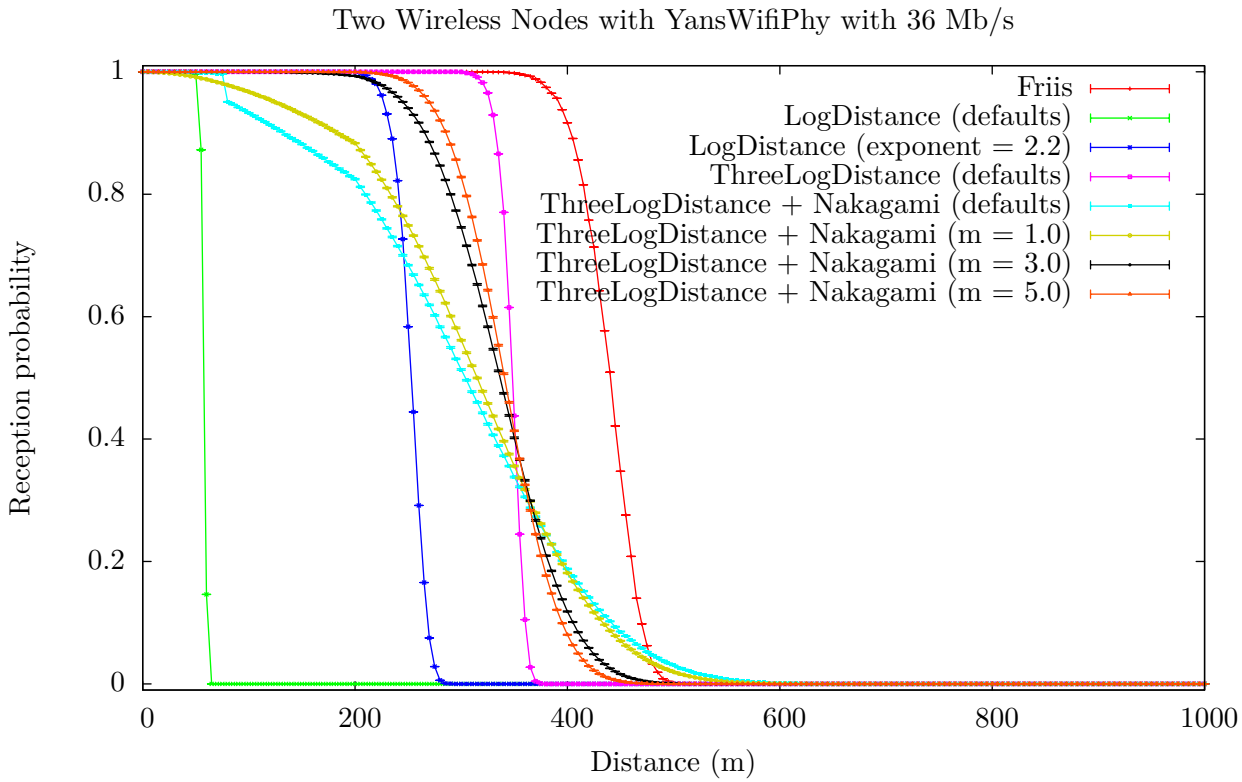

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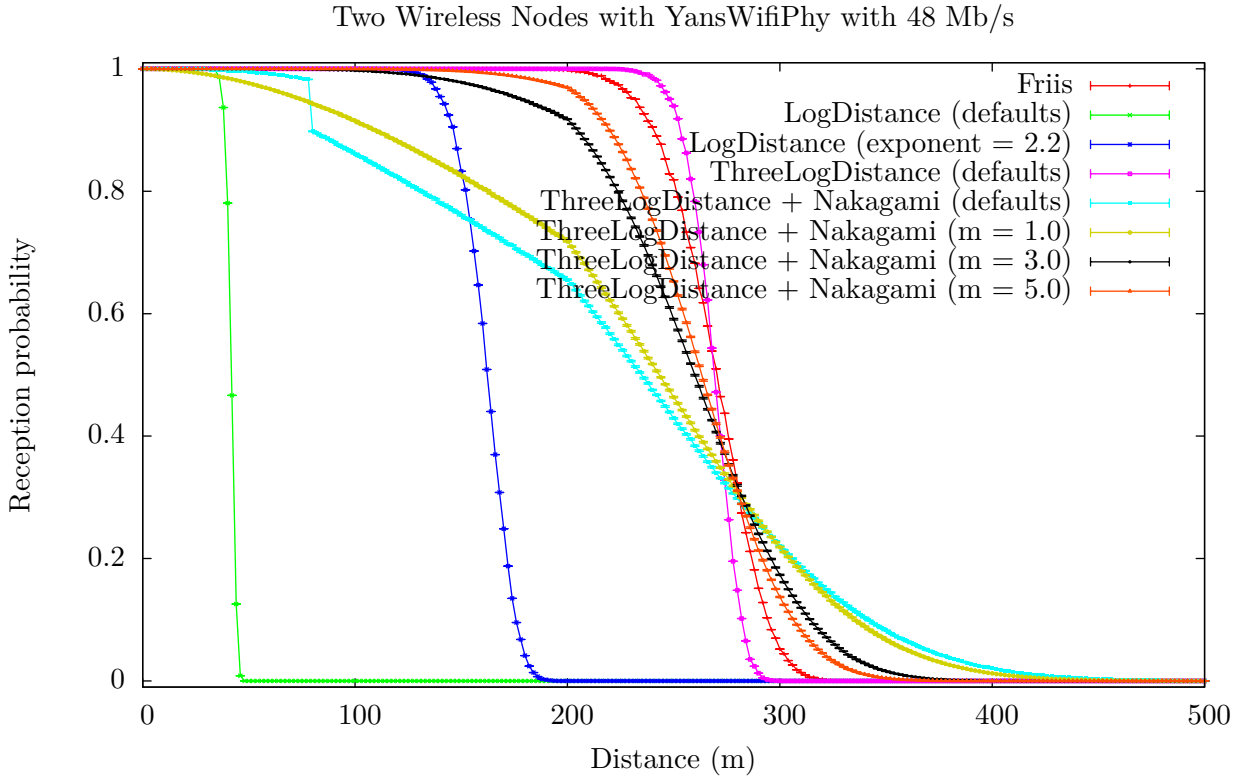

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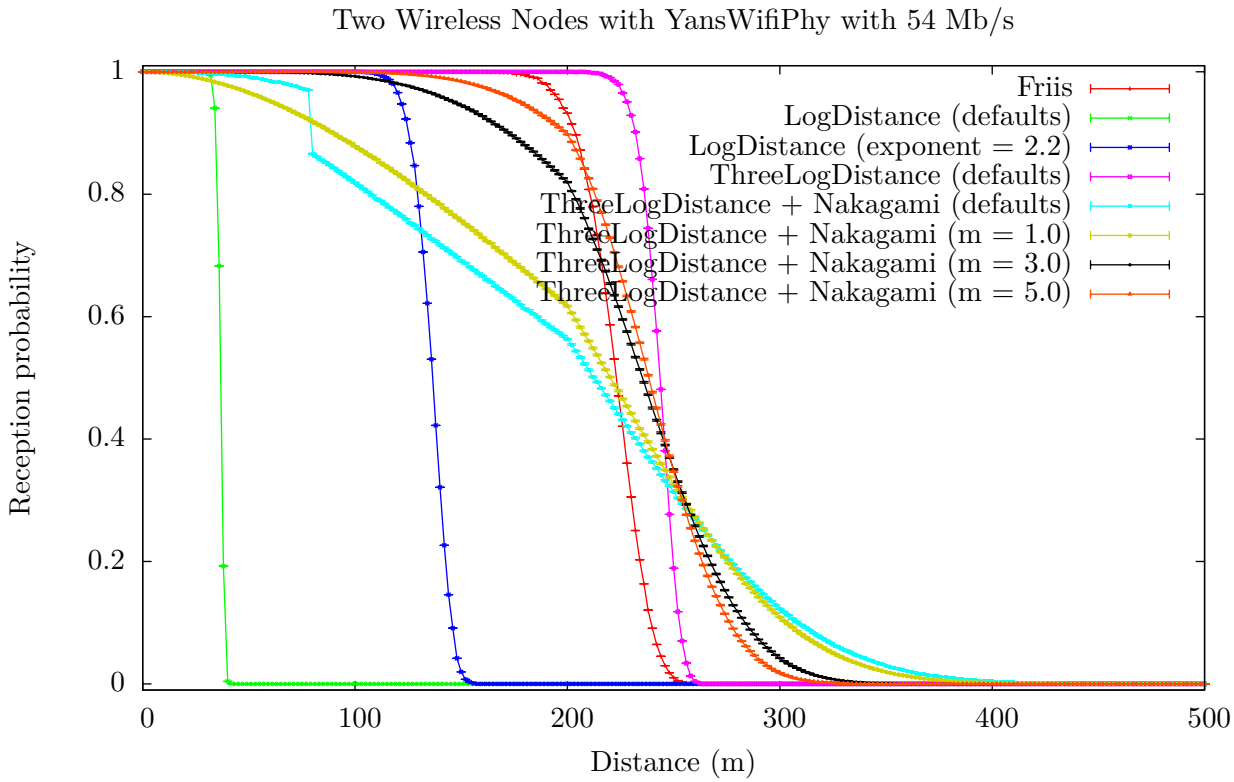

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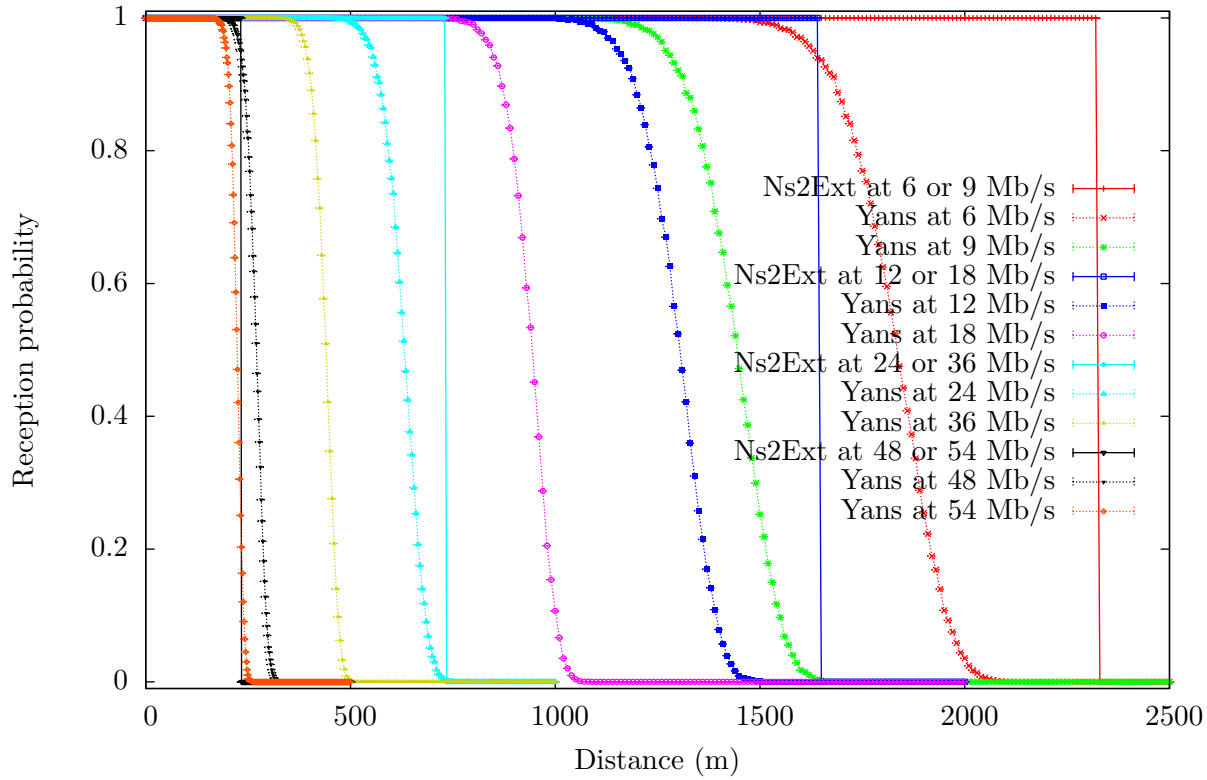
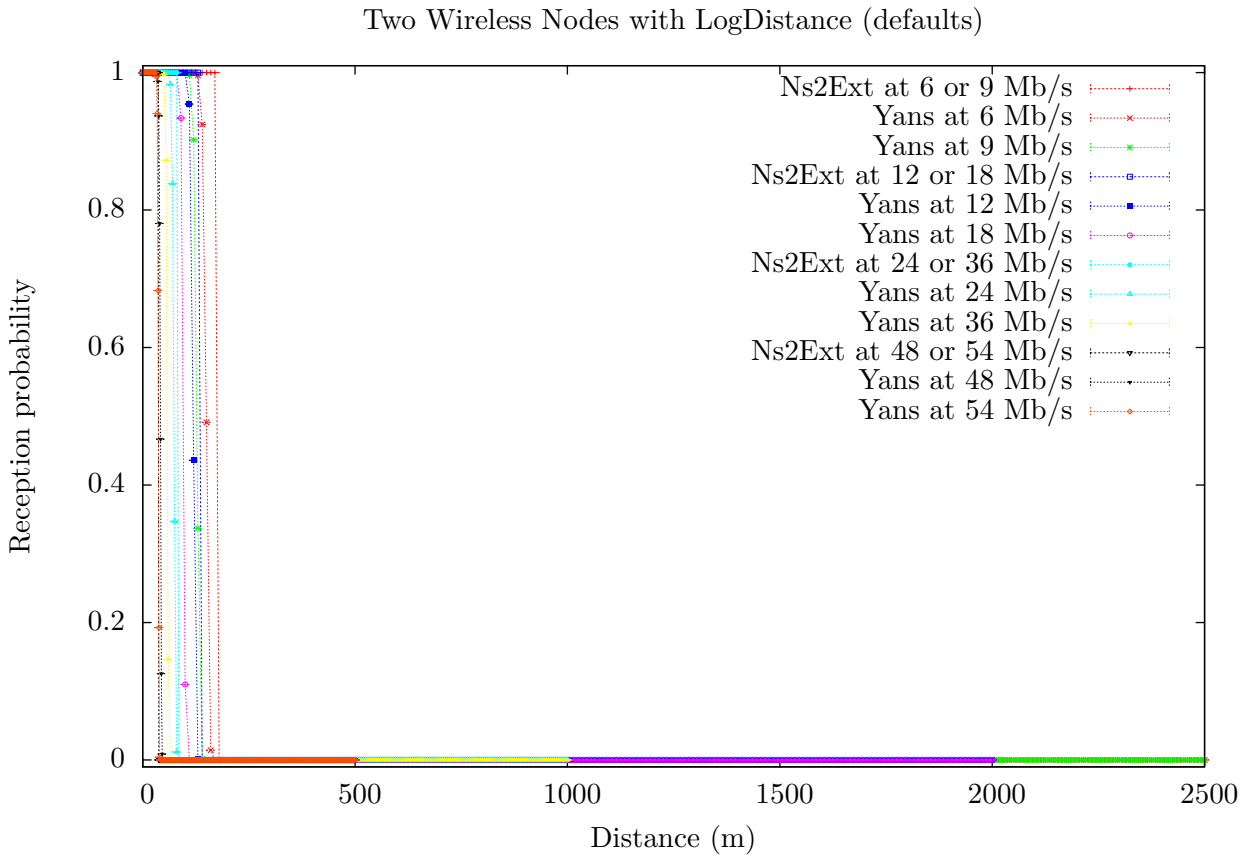
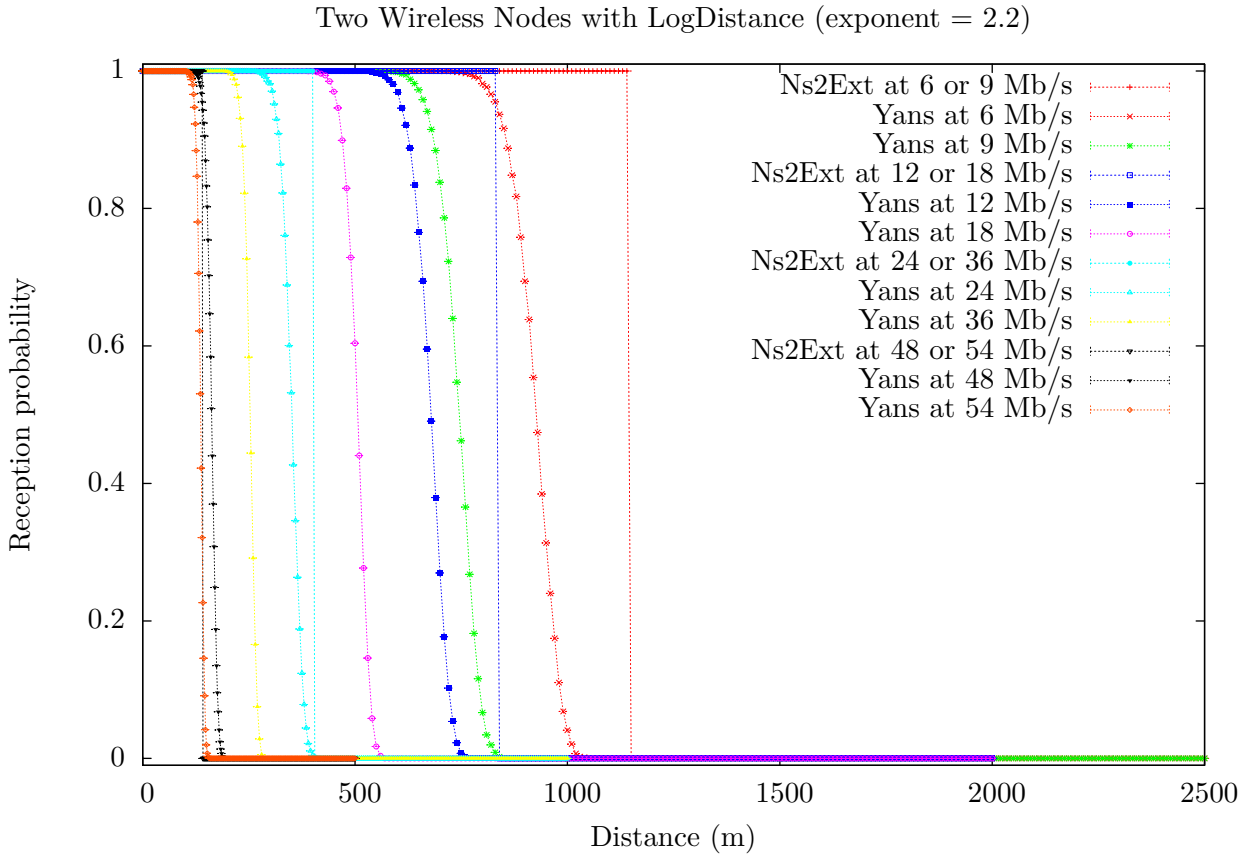
3.2 By Modes Mixed



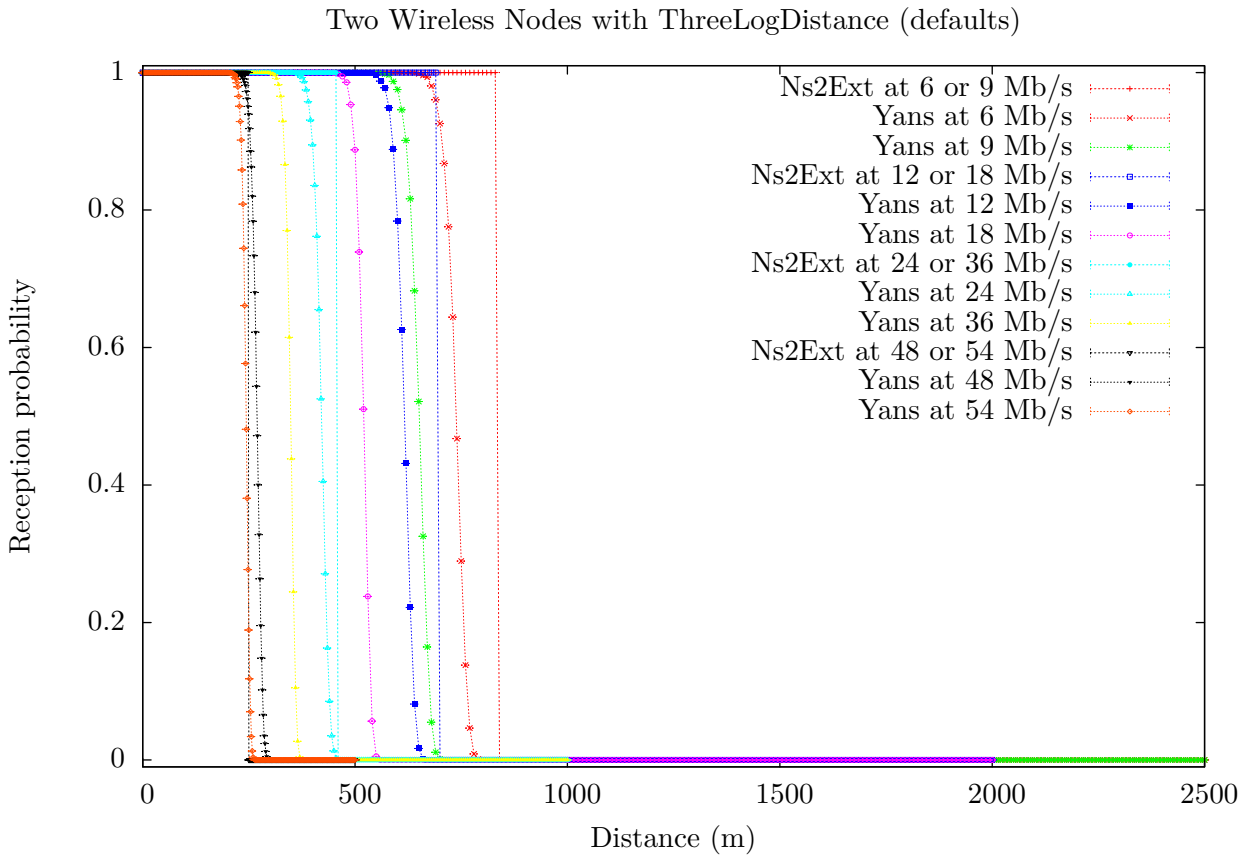
plots/two-nodes-propagation-modes-mixed-1.tex



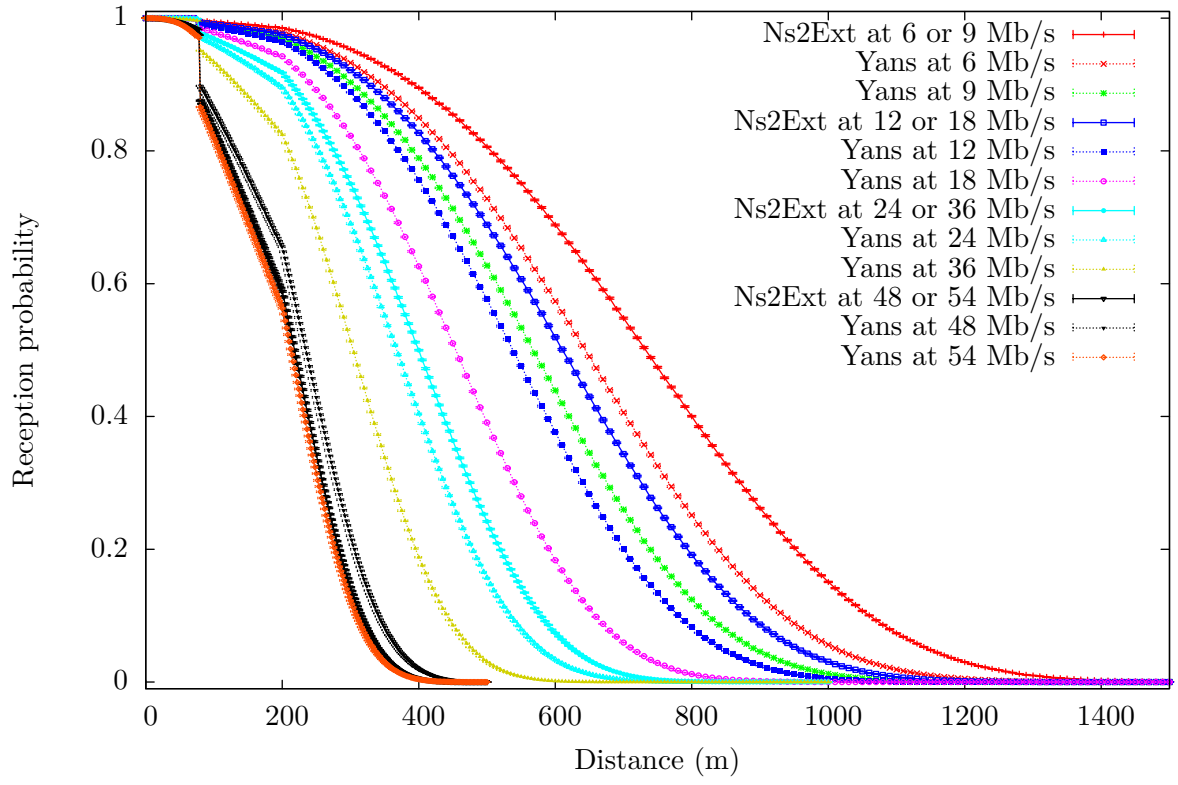
plots/two-nodes-propagation-modes-mixed-2.tex



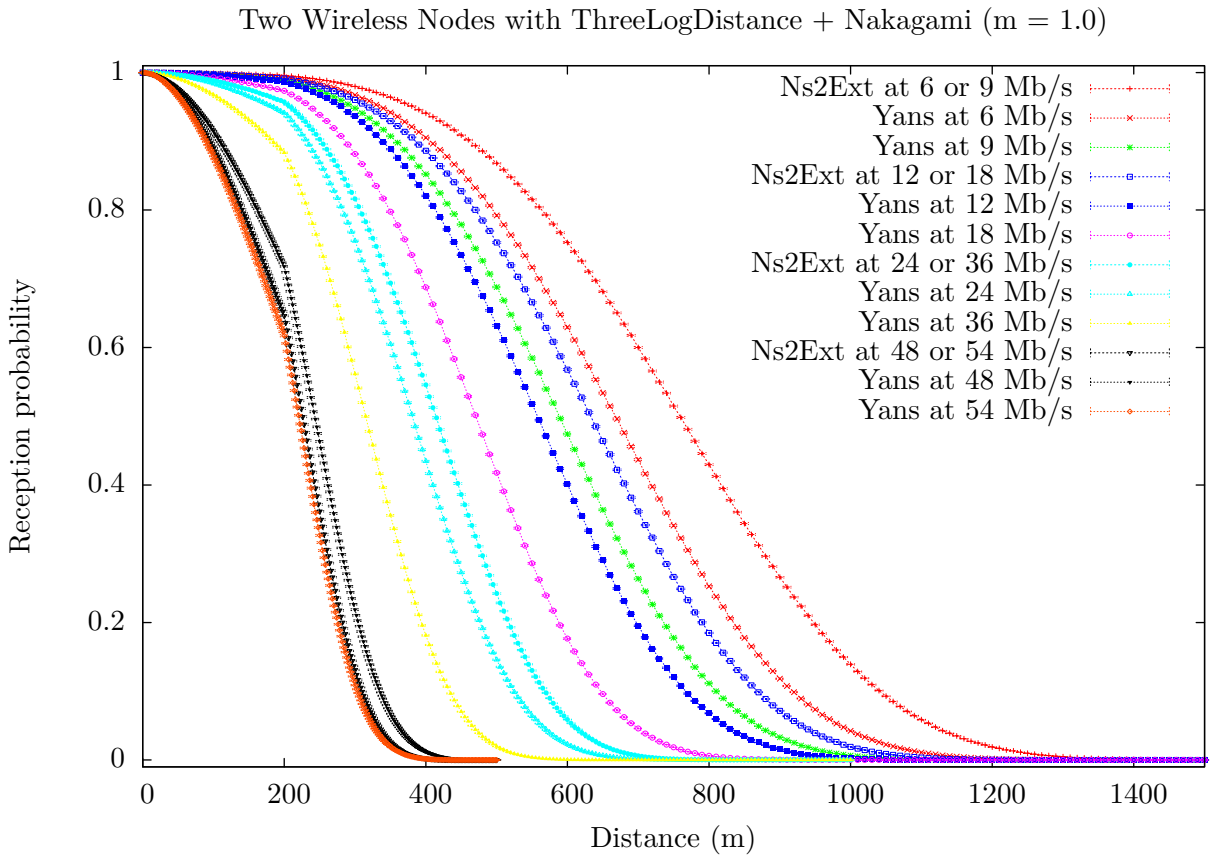
plots/two-nodes-propagation-modes-mixed-3.tex



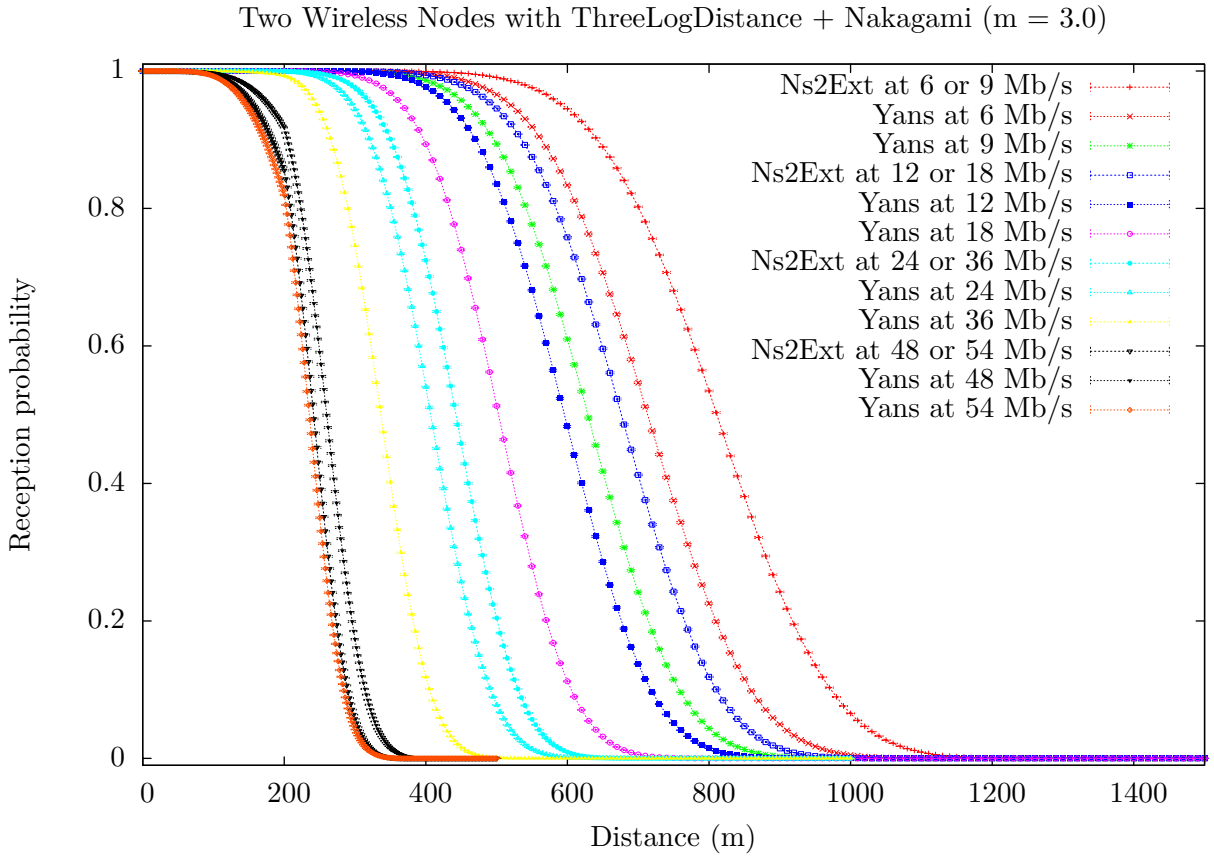
plots/two-nodes-propagation-modes-mixed-4.tex



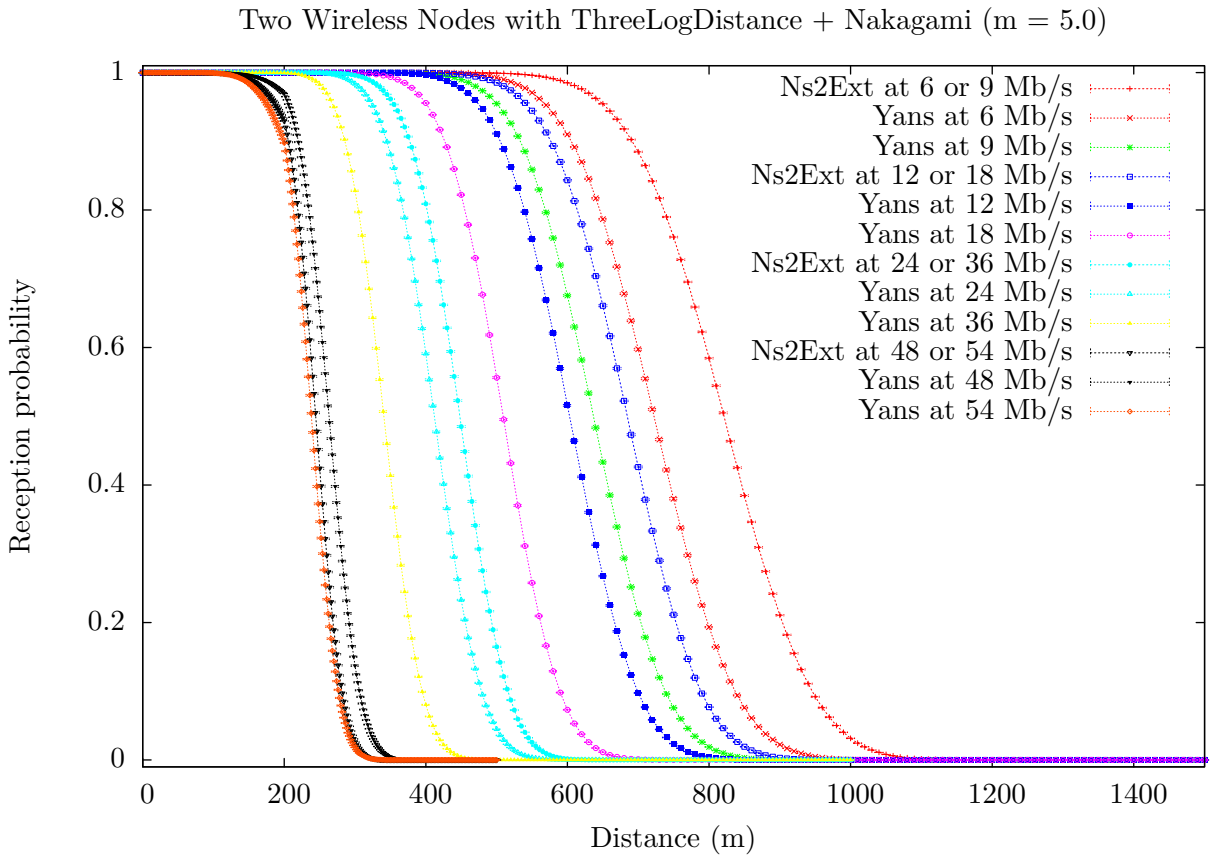
plots/two-nodes-propagation-modes-mixed-5.tex



plots/two-nodes-propagation-modes-mixed-6.tex

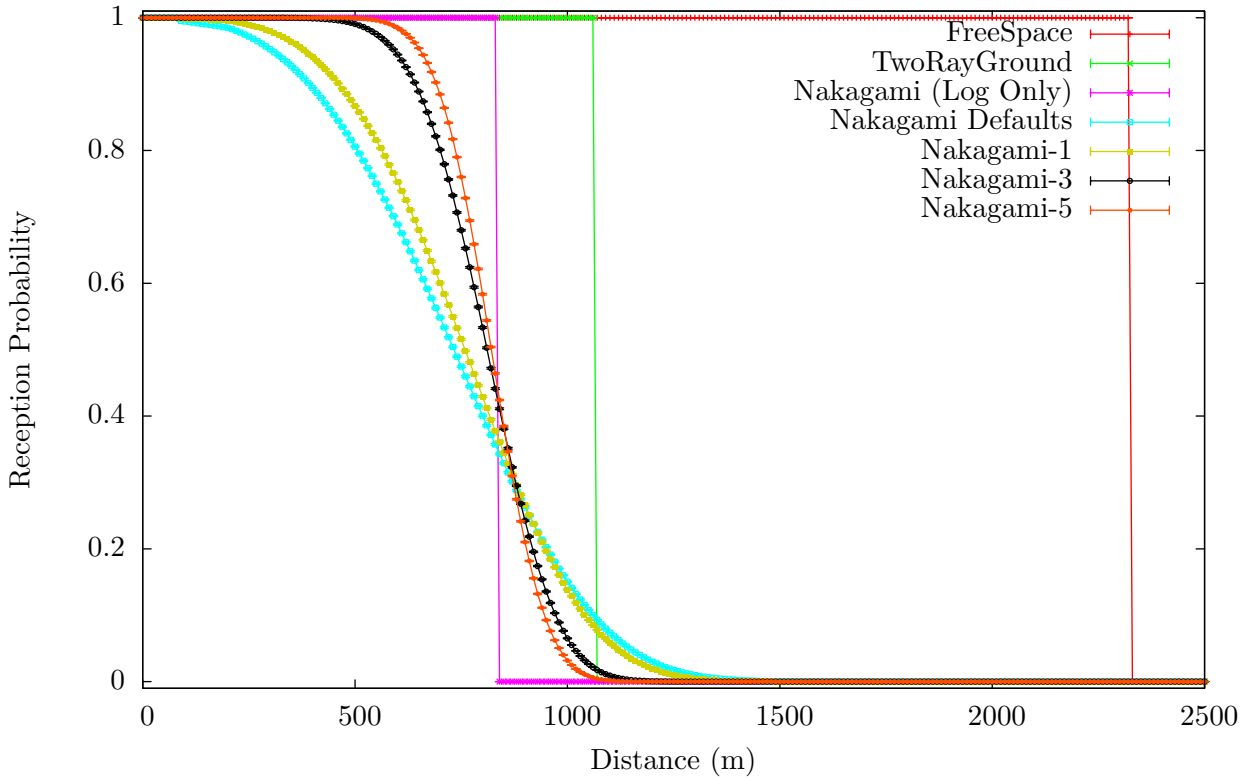


plots/two-nodes-propagation-modes-mixed-7.tex



plots/two-nodes-propagation-modes-mixed-8.tex

3.3 ns-2 by Modes

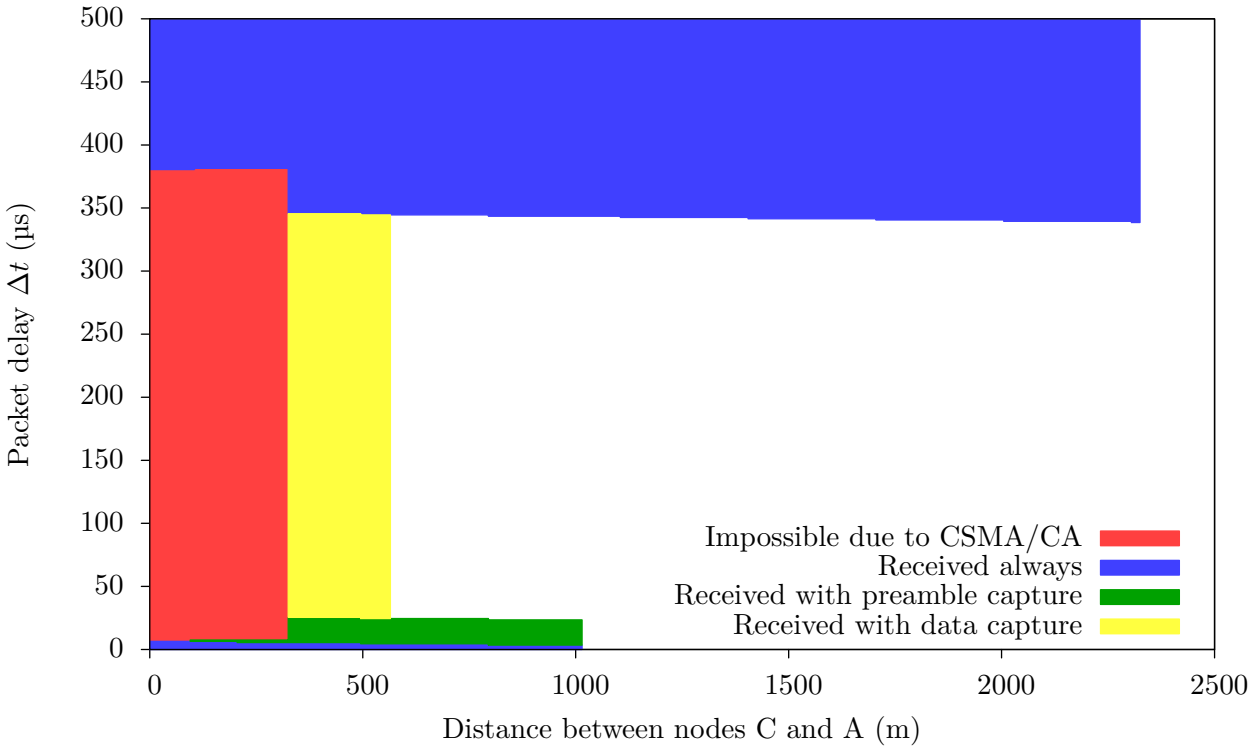


plots/ns-2-two-nodes-06mbs.tex

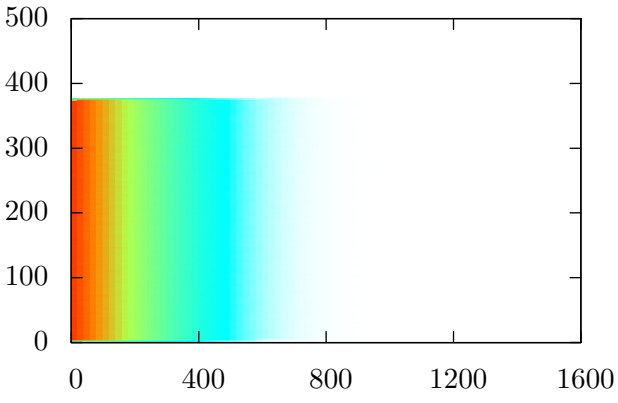
Chapter 4

Three-Nodes-Capture

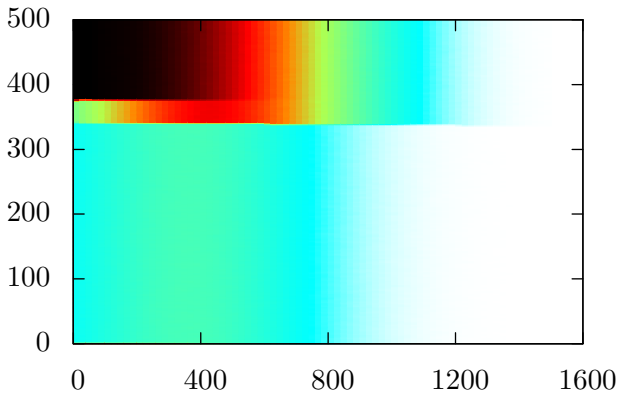
4.1 ns-3



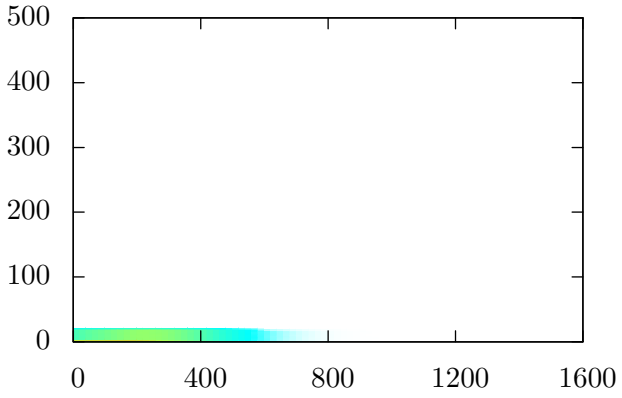
plots/three-nodes-capture.tex



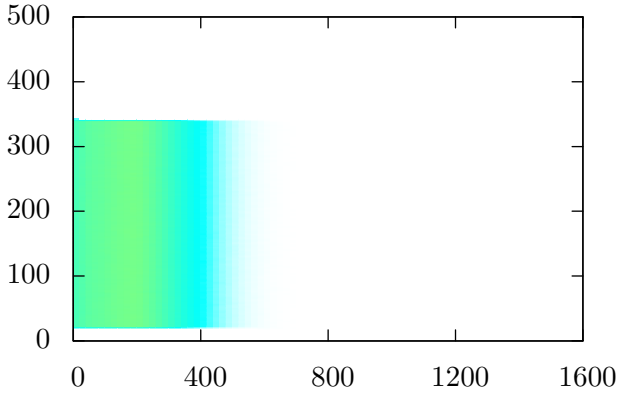
plots/three-nodes-capture-3d-1.tex



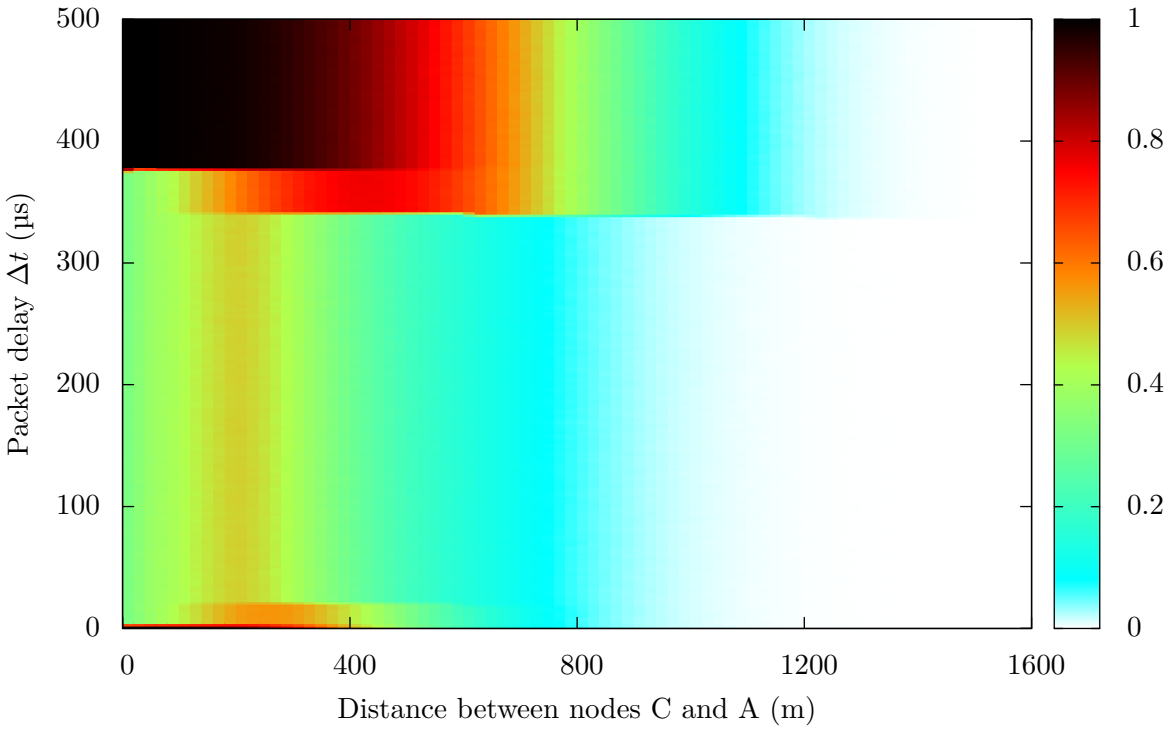
plots/three-nodes-capture-3d-2.tex



plots/three-nodes-capture-3d-3.tex

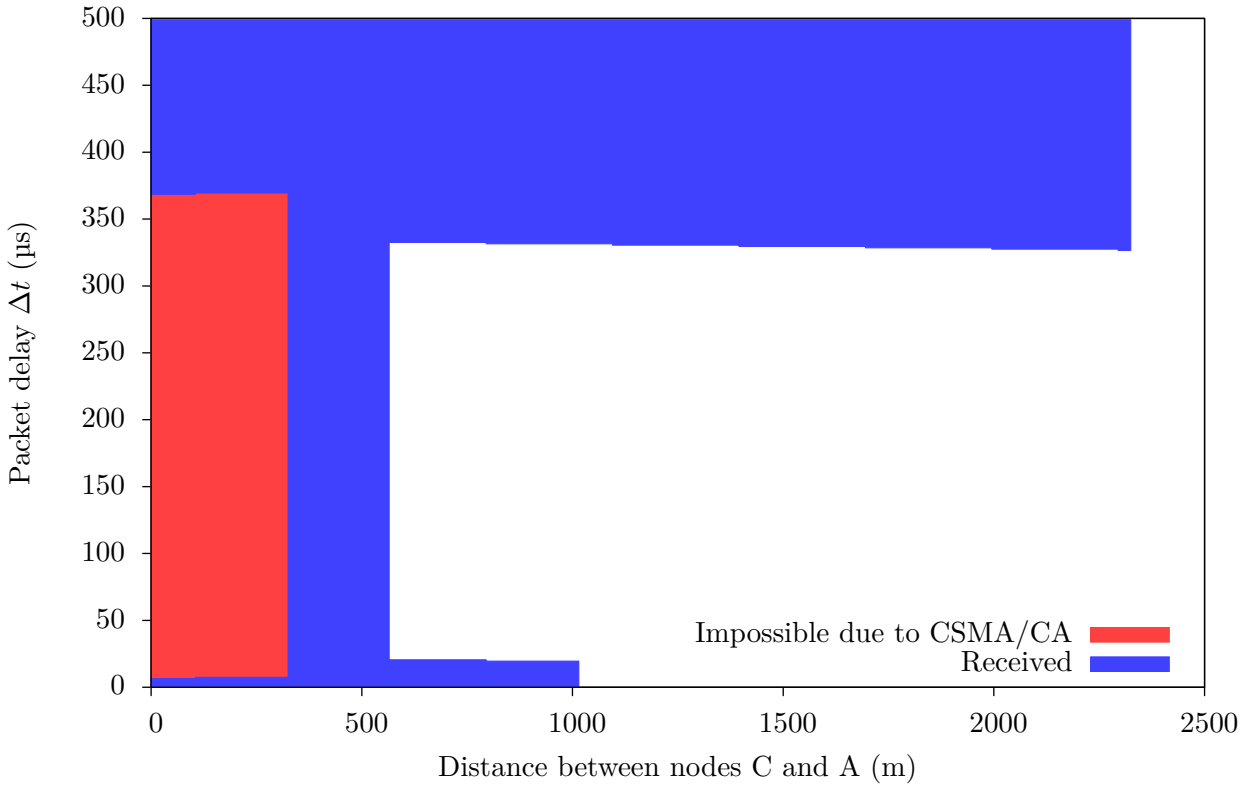


plots/three-nodes-capture-3d-4.tex



plots/three-nodes-capture-3d-5.tex

4.2 ns-2



plots/ns-2-three-nodes-capture.tex