Energy Comparison of Routing Protocols on Wireless Sensor Networks using NS2

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Introduction
Communication range is the maximum amount of space between nodes where data can be exchanged.

Background
- Shadowing Propagation: Allows for successful packets to be received at a communication range that is not on a line of sight (Figures 1 & 2)
- Two Ray Ground Propagation: Allows for communication range to be increased up to the edge of the communication range (Figures 3 & 4)

Results

High Linkage Success Rate

Low Linkage Success Rate