

Ephemeris Pre-Calculation

Constellation Topology Generation

Applications Protocols

IPv4 Model

IP Address  
Allocation

TCP/IP  
Protocols

RL Routing  
Protocols

Non-RL Routing  
Protocols

Mobility Model

SGP4

Constant

Channel Model

Service  
Channel

Laser Channel

Propagation Delay Model

Network Device Model

Service  
Device

Laser  
Device

Queue Model

Data Rate Model

Interference Model

Ns3 Gym

Trajectory  
Differentiation

Replay Memory

Neural Networks

Networks  
Training