

Physical networks

Virtual networks



Neural network

Internet (layer 1-3)

L1 - physical

L2 - links

L3 - network

Science Citations

Internet

L4 - end-to-end connections

Autonomous Systems

Social interactions

Internet (layer 7)

WWW

email

peer-2-peer

online social network

facebook

linked in

Characterised by

real costs => optimization

physical constraints

comparative stability

Characterised by

dynamic behaviour

high variability