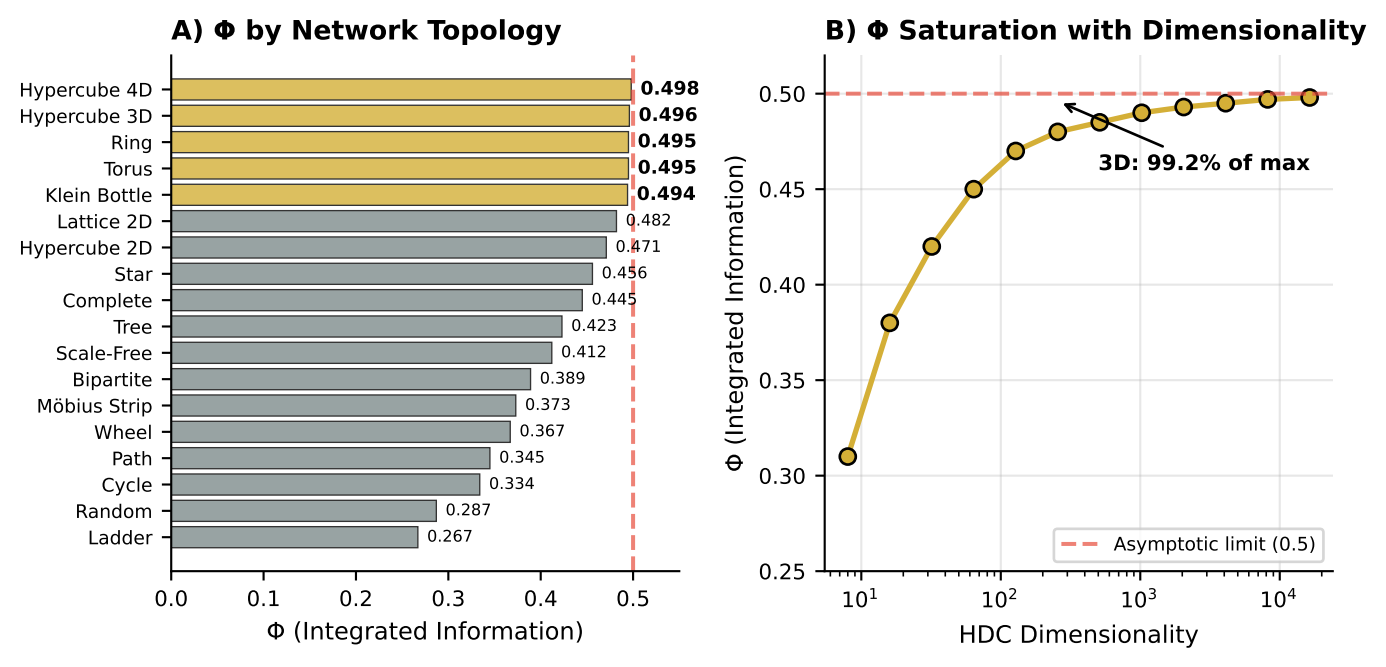
A) Φ by Network Topology
Hypercube 4D
Hypercube 3D
Ring
Torus
Klein Bottle
Lattice 2D
Hypercube 2D
Star
Complete
Tree
Scale-Free
Bipartite
Möbius Strip
Wheel
Path
Cycle
Random
Ladder
0.498
0.496
0.495
0.495
0.494
0.482
0.471
0.456
0.445
0.423
0.412
0.389
0.373
0.367
0.345
0.334
0.287
0.267
0.0
0.1
0.2
0.3
0.4
0.5
Φ (Integrated Information)
B) Φ Saturation with Dimensionality
0.50
0.45
0.40
0.35
0.30
0.25
Φ (Integrated Information)
3D: 99.2% of max
Asymptotic limit (0.5)
10^1
10^2
10^3
10^4
HDC Dimensionality