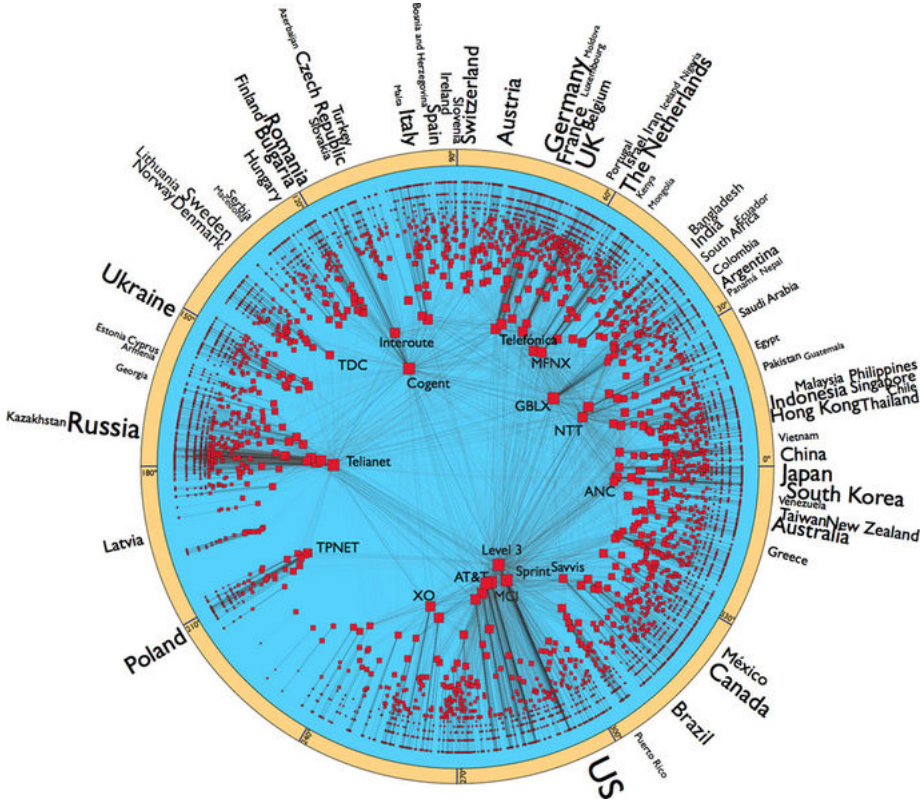
Using Hyperbolic Geometry to Build Efficient Structures

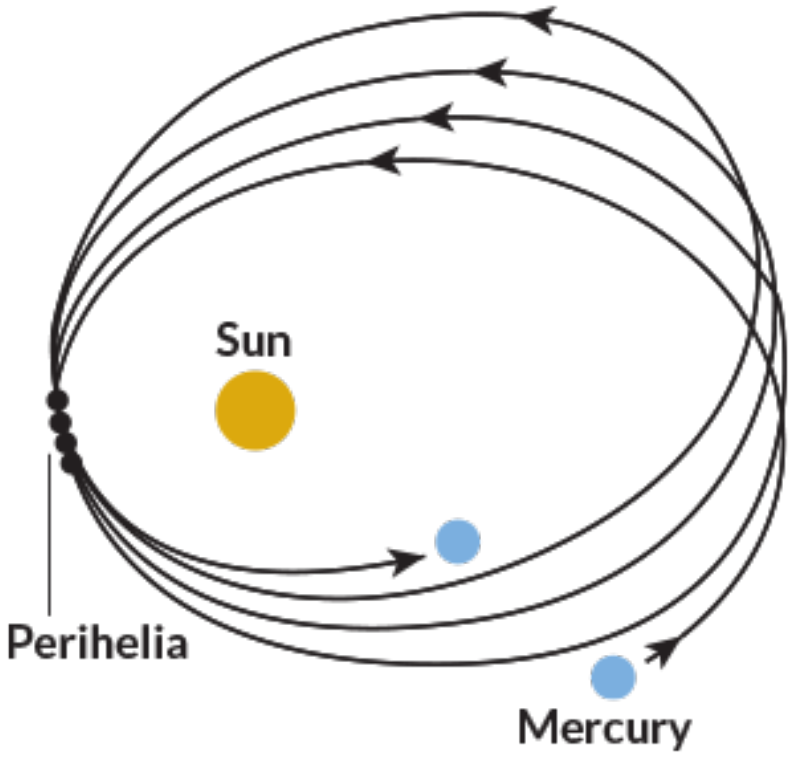
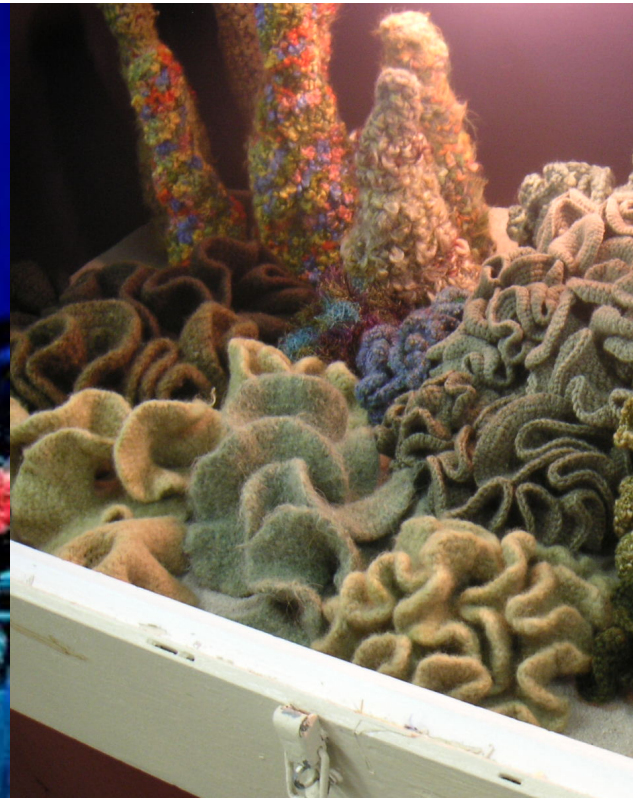
- Models of the internet to reduce the load on routers



Sustaining the Internet with hyperbolic mapping
Marian Boguna, Fragkiskos Papadopoulos & Dmitri Krioukov

- Building crystal structures to store more hydrogen or absorb more toxic metals

Modeling and Explaining Real-Life Behavior



- modeling Mercury's orbit
- mapping the brain to diagnose or monitor neurological diseases