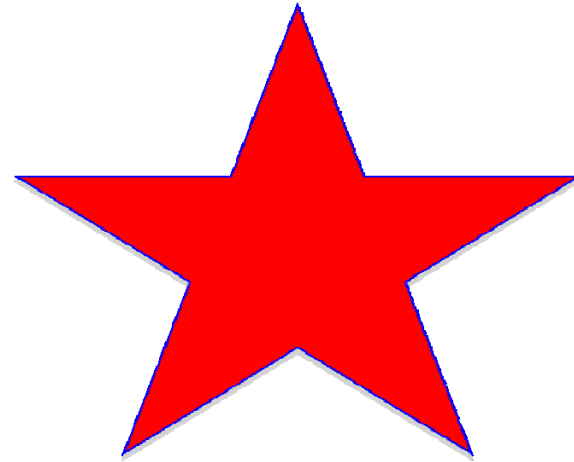


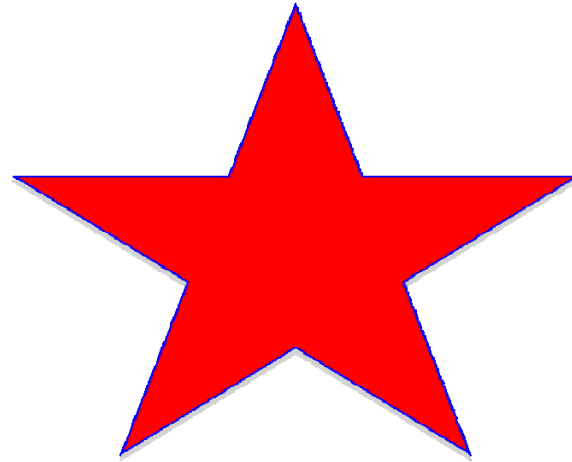
Separation of Scales



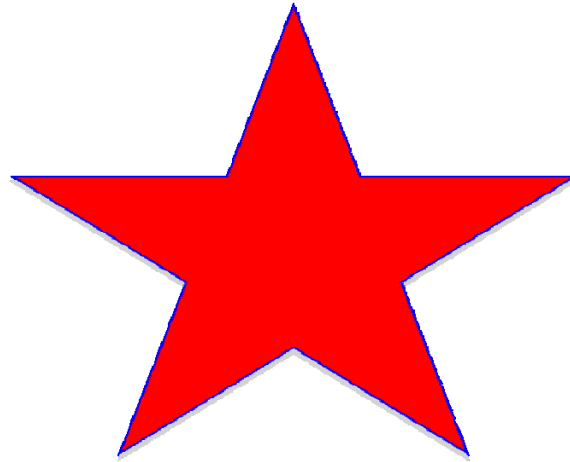
Interpretation of Networks

Most publications do not consider this.

Non-dimensionalisation



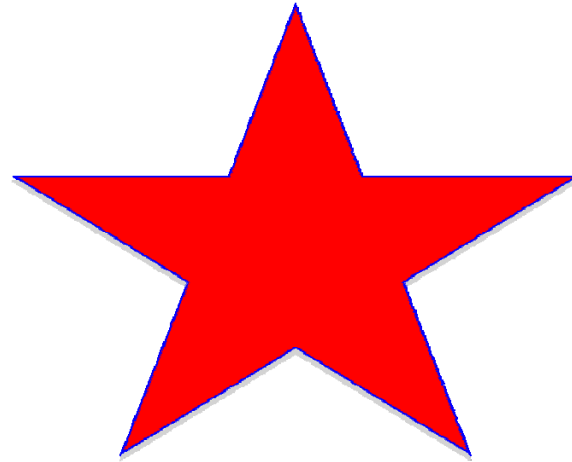
Hybrid Models



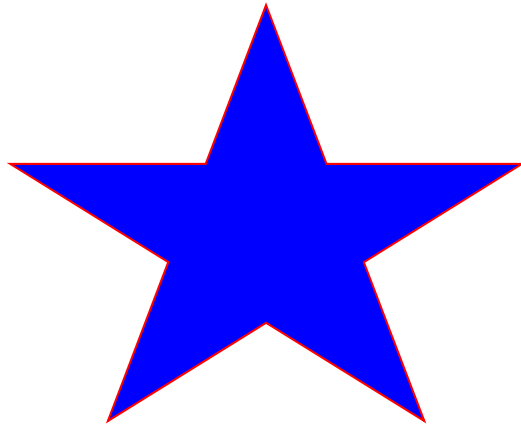
C. Signaling Pathways

- Transmits signals from membrane to gene regulation.
- Its function is enigmatic as some of the molecules involved are common to different functions and how cross-interaction is avoided is unknown.

Dynamics of Cell Signalling Pathways



Empirical Investigation of Metabolic Pathways Evolution



Equation Discovery

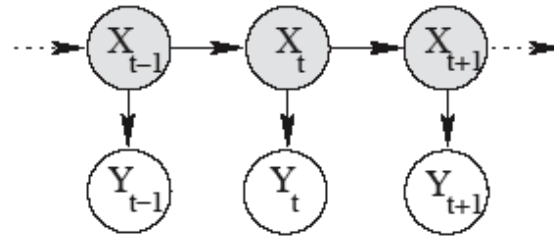
Connected

Directed Acyclic Graphs - DAGs

Inferring Metabolic Pathways



Inferring Signalling Pathways



Empirical Investigation of Protein Interaction Networks
Evolution

