The Complex Systems Program is part of the National Institute of Standards and Technology’s Information Technology Laboratory. Complex Systems are composed of large interrelated, interacting entities which taken together, exhibit macroscopic behavior which is not predictable by examination of the individual entities. The Complex Systems program seeks to understand the fundamental science of these systems and develop rigorous descriptions (analytic, statistical, or semantic) that enable prediction and control of their behavior.

Program information at: [www.itl.nist.gov/ITLPrograms/ComplexSystems](http://www.itl.nist.gov/ITLPrograms/ComplexSystems)

The analysis of graphs denoting the structure of the World Wide Web has been an active area in network science. These graphs denote the organic nature of information flow and ideas across hyperlinks, connecting one page to another. It is the result of a cooperative and emergent construction, not the work of a single design, that make such graphs interesting and instrumental in developing the basic theory in the network science (e.g. scale-free networks, node clustering, and small-world characteristics).