

scale free networks complex pdf

A scale-free network is a network whose degree distribution follows a power law, at least asymptotically. That is, the fraction $P(k)$ of nodes in the network having k connections to other nodes goes for large values of k as $k^{-\gamma}$ where γ is a parameter whose value is typically in the range $2 < \gamma < 3$, although occasionally it may lie outside these bounds.

Scale-free network - Wikipedia

In the context of network theory, a complex network is a graph (network) with non-trivial topological features—features that do not occur in simple networks such as lattices or random graphs but often occur in graphs modelling of real systems. The study of complex networks is a young and active area of scientific research (since 2000) inspired largely by the empirical study of real-world ...

Complex network - Wikipedia

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Experimental evidence of massive-scale emotional contagion

H. Soh, Y. Baek, M. Ha and H. Jeong, "Effects of a local defect on one-dimensional nonlinear surface growth" Phys. Rev. E 95 042123 (2017) [[link](#)]; K. Chung, Y. Baek, M. Ha, and H. Jeong "Universality class of generalized epidemic process on random networks" Phys. Rev. E 93 052304 (2016) [[link](#)]; B. Lee, D. Kim, D. Kim, and H. Jeong "N-gram Web Service and Stylometric Analysis on Korean Historical ...

Complex Systems and Statistical Physics Lab. Hawoong Jeong

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Malcolm Gladwell has written an interesting piece in the New Yorker, arguing that real social change occurs when strong, rather than weak-tie networks, organize hierarchically, rather than in a de-centralized network structure. His example contrasts the lunch-counter protests in Greensboro, North Carolina in the sixties with the low-stakes activism through social media.

What Gladwell Gets Wrong: The Real Problem is Scale

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