



The distribution function of connectivities for various large networks. **(A)** Actor collaboration graph with $N = 212,250$ vertices and average connectivity $\langle k \rangle = 28.78$. **(B)** WWW, $N = 325,729$, $\langle k \rangle = 5.46$ (6). **(C)** Power grid data, $N = 4941$, $\langle k \rangle = 2.67$. The dashed lines have slopes (A) $\gamma_{\text{actor}} = 2.3$, (B) $\gamma_{\text{www}} = 2.1$ and (C) $\gamma_{\text{power}} = 4$.