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关于有向无标度图的一个推广模型(英)

颜云志, 王汉兴

A Generalization for Directed Scale-Free Graphs

YAN Yun-Zhi, WANG Han-Xing

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摘要 研究了一个动态的有向随机图演化模型: 每个时间步模型随机的加入一个顶点及随机数目的出、入度择优连接的有向边, 证明了该模型出、入度分布服从幂律且具有对称的幂律指数.

关键词:

Abstract: We study a dynamically evolving directed random graph which randomly adds vertices and directed edges using preferential attachment and prove that its vertex degree obey power law and has elaborate power law exponents.

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