

Librería
Bonilla y Asociados
desde 1950



Título:

Autor:

Precio: \$787.40

Editorial:

Año: 2008

Tema:

Edición: 1ª

Sinopsis

ISBN: 9780821842805

A d -regular graph has largest or first (adjacency matrix) eigenvalue $\lambda_1 = d$. Consider for an even $d \geq 4$, a random d -regular graph model formed from $d/2$ uniform, independent permutations on $\{1, \dots, n\}$. The author shows that for any $\epsilon > 0$ all eigenvalues aside from $\lambda_1 = d$ are bounded by $2\sqrt{d-1} + \epsilon$ with probability $1 - O(n^{-\tau})$, where $\tau = \lceil \frac{\log(\sqrt{d-1} + 1)}{2} \rceil - 1$. He also shows that this probability is at most $1 - c/n^{\tau'}$, for a constant c and a τ' that is either τ or $\tau+1$ ("more often" τ than $\tau+1$). He proves related theorems for other models of random graphs, including models with d odd.