Degeneracy

Graph Fis r-degenerate if its enjourgraph contains a vertex of degree at most r.

Erolós degeneracy conjecture (1967)

r-degenerate, liportite graph F: ex (n, F) ∈ c n²⁻⁷

Dependent vandom choice?

Füred; 1991

If F is biportite (A,B) s.t eny vertex in B has degree at most r, then $\exp(r,F) \le c n^{2-\frac{1}{r}}$

Alon-Krindrich-Sudakor 2003

For every biportite, r-degenerate graph F: ex(n,F) < cn^{2-\frac{4}{57}}