

Extremal density for sparse minors and subdivisions

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Zoom meeting ID: 664 147 40654 Password: 121323

Link: https://zoom.com.cn/j/66414740654

Abstract: We prove an asymptotically tight bound on the extremal density guaranteeing subdivisions of bounded-degree bipartite graphs with a separability condition. As corollaries, we answered several questions of Reed and Wood on embedding sparse minors. In particular, we prove that a graph with average degree (3/2+o(1))t contains every t-vertex planar graph as a minor and this constant 3/2 is best possible. This is joint work with John Haslegrave and Hong Liu.