

Vertex Arboricity of Planar Graphs

Wang, Yiqiao
Beijing University of Chinese Medicine

Time: April 7th, 9:00 - 10:00

Zoom meeting ID: 83193500474 Password: 121323

Link: <https://zoom.com.cn/j/83193500474>

Abstract:

The vertex-arboricity $a(G)$ of a graph G is the minimum number of subsets into which the set of vertices of G can be partitioned so that each subset induces a forest. In this talk, we give a survey on the research progress of the vertex-arboricity and list vertex-arboricity of graphs. We show that every planar graph G without adjacent 3-cycles has $a(G) \leq 2$, which resolves a conjecture of Raspaud and Wang in 2008.