A SURVEY ON HAMILTONICITY OF GRAPHS ON SURFACES

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Time: Thursday, Apr. 15th, 14:00 - 15:00
Zoom meeting ID: 810 0972 4977   Password: 121323
Link: https://zoom.com.cn/j/81009724977

Abstract: Since Whiteny proved that every 4-connected plane triangulation contains a Hamiltonian cycle, Hamiltonicity of graphs on surfaces has been widely studied. In this talk, we give a survey on the topic from the view of toughness and scattering number of graphs. We also introduce recent works.