Fall 2022

Geometry and Topology Seminar

Title
Producing circle patterns via configurations

Speaker:	Ze Zhou, Shenzhen University
Date:	November 10, 2022
Time:	3:00PM
Tencent Meeting:	679-505-478, Password: 202211

Abstract: In this talk, we will consider circle patterns from the viewpoint of configurations. By using the topological degree theory, we extend the Koebe-Andreev-Thurston Theorem to include circle patterns with obtuse exterior intersection angles. As a consequence, we obtain a generalization of Andreev's Theorem which allows obtuse dihedral angles.