Speaker: Guohua Wu

Title: A result towards Kierstead's conjecture for linear orders

Abstract: In this talk, I will present a recent work on Kierstead's conjecture for linear orders, generalizing the work of Cooper, Harris and Lee. In particular, we will show that Kierstead's conjecture is true for the order types $\Sigma \lim_{q\in Q} F(q)$, where F is an extended 0'-limitwise monotonic function (i.e., F can take value ζ). In contrast to Cooper, Harris, and Lee's work, the linear orders in our consideration can have finite and infinite blocks simultaneously. Our result also covers one case of Downey and Moses' work. It is a joint work with Maxim Zubkov from Kazan.