

A Chevalley formula for the factorial GP functions

Shogo Sugimoto

The factorial GP functions were introduced by Ikeda–Naruse and they represent Schubert classes of torus-equivariant K-theory of (odd and even) maximal orthogonal Grassmannian variety. The Chevalley formula for the factorial GP functions were showed geometrically by Buch–Chaput–Mihalcea–Perrin. We obtain an alternative proof of the Chevalley formula using the combinatrial expression for the factorial GP functions. In this conference, we talk about the Chevalley formula and the alternative proof.