

On Fiber Bundle Property of a Schubert Variety

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The Schubert varieties are essential geometric objects for studying the projective homogenous spaces. Many Schubert varieties admit Zariski-locally trivial fiber bundle structures over certain Schubert subvarieties. In this talk we will discuss various geometric and representation theoretic consequences of the existence of a fiber bundle structure on a Schubert variety. In particular, we will present our recent results on the spherical Schubert varieties.