

Rigid Schubert classes in compact Hermitian symmetric spaces

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joint work with Dennis The

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What keeps me awake at night (Open Questions)

1. If $X = \text{LG}(n, 2n)$, then $\lceil \frac{1}{2}a(S) \rceil$ is the number of irred. components in $\text{Sing}(S)$.

If $X = \text{Gr}(k, m)$, then $a(S)$ is the number of irred. components in $\text{Sing}(S)$.

What is the relationship between $a(S)$ and $\text{Sing}(S)$ in general?

2. Can the (a, J) characterization be used to extend Coskun's results to arbitrary CHSS?
3. Do there exist higher-order obstructions to flexibility?
4. Characterize the Y satisfying $[Y] = r[S]$.