

MANY CHEERFUL FACTS

presents

Generalized Flag Manifolds

a talk by Sevak Mkrtchyan

1:10 pm - 2:00 on Wednesday, November 23th, in room
891.

Flag manifolds appear in many different branches of mathematics: differential geometry, algebraic geometry, representation theory, harmonic analysis of Lie groups, mathematical physics to name a few. In my talk I'll define what generalized flag manifolds are. Depending on how much time is left, I'll talk about their fibrations, mention some major results about them.

*I am the very model of a modern Major General,
I've information vegetable, animal, and mineral,
I know the kings of England, and I quote the fights historical
From Marathon to Waterloo, in order categorical;
I'm very well acquainted, too, with matters mathematical,
I understand equations, both the simple and quadratical,
About binomial theorem I'm teeming with a lot o' news,
With many cheerful facts about the square of the hypotenuse!*

- Gilbert & Sullivan $P \circ P$