# **Bott-Samelson varieties**

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December 5, 2024

#### **Abstract**

Bott Samelson varieties after Allen's class on Dec 3.

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The relevant sources are:

- Vanishing theorem for the cohomology of line bundles on Bott-Samelson varieties by Boris Pasquier
- Toric degeneration of Bott-Samelson-Demazure-Hansen varieties by Paramasamy Karuppuchamy and A. J. Parameswaran
- Bott towers, complete integrability, and the extended character of representations by Michael Grossberg and Yael Karshon