

## **ORBIFOLD WREATH PRODUCTS**

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**Abstract:** In this talk I will present some theorems, expressed in terms of orbifold sector decompositions, that detail the structure of wreath symmetric products of orbifolds presented as a locally free quotient by a compact, connected Lie group.

In particular, I will present generating formulas and functions for wreath symmetric products of orbifolds. Particularly interesting instances of these product formulas occur for the Euler and Euler-Satake characteristics. This generalizes results known for global quotients by finite groups.