## KAC-WAKIMOTO CHARACTERS, ASYMPTOTICS, AND MOCK MODULAR FORMS

## AMANDA FOLSOM

## Abstract

Recently, Kac and Wakimoto established specialized character formulas for irreducible highest weight  $sl(m, 1)^{\wedge}$  modules, and later works of the author and Bringmann-Ono show that these characters may be realized as parts of certain non-holomorphic modular functions. We will describe this, and show in joint work with Bringmann, how the "modularity" of these characters can be exploited to obtain detailed asymptotics.