

In 2006 Fiebig stated a conjecture relating the stalks of indecomposable Braden-MacPherson sheaves on a (reduced) affine Bruhat graph for a reductive group G over an algebraically closed field of positive characteristic to certain Kazhdan-Lusztig polynomials. He showed that this conjecture implies a conjecture of Lusztig, which gives character formulas for simple G -modules. In this talk we are going to discuss Fiebig's conjecture and explain that the stalks of indecomposable Braden-MacPherson sheaves satisfy various properties, which lends support to the conjecture