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Christopher R. H. Hanusa and **Brant C. Jones*** (brant@math.jmu.edu). *Abacus models for parabolic quotients of affine Weyl groups*. Preliminary report.

The cosets of a finite Weyl group inside the corresponding affine Weyl group have remarkable structure with connections to various objects in algebra and geometry. The abacus is a versatile combinatorial model for these cosets that originates in the work of James and Kerber for the symmetric group. We describe generalizations of this model for the affine types \tilde{B} , \tilde{C} and \tilde{D} . (Received February 11, 2011)