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Zajj Daugherty* (zajj.b.daugherty@dartmouth.edu), 6188 Kemeny Hall, Hanover, NH 03755,
and **Arun Ram**. *Combinatorics of affine Hecke algebras of type C*. Preliminary report.

Irreducible representations for the affine Hecke algebras of type C can be encoded combinatorially in a few different ways: as points and regions in affine space relative to certain hyperplane arrangements, as arrangements and fillings of boxes with certain rotational symmetries, and now as certain partitions and tableaux arising from the representations of the complex Lie algebra \mathfrak{gl}_n . In this talk I will describe these three combinatorial models and the correspondence between them. (Received February 19, 2013)