

1086-05-1468

Lara Bradford*, lb8436@bard.edu, and **Carly Matson**. *New Results on the Coxeter Group Structure of Lecture Hall Partitions*. Preliminary report.

Bousquet-Mélou and Eriksson interpreted lecture hall partitions in terms of the affine Coxeter group of type C. We extend this interpretation to affine type B. We also use this framework to study a related structure called the d-sequence that encodes the successive differences between parts of the lecture hall partitions. (Received September 22, 2012)