1023-20-1778 **Patrick Bahls*** (pbahls@unca.edu), UNCA Department of Mathematics, CPO #2350, One University Heights, Asheville, NC 28804-8511. On growth series of Coxeter groups.

Motivated by the graph theoretic notion of asymptotic connectivity, we investigate the growth of various classes of Coxeter groups, obtaining refinements of the growth series W(x) for certain groups W. In the context of right-angled Coxeter groups, we compute the number of geodesic elements of a given length which can end with any one of a prescribed set of generators, recovering a well-known result on the growth series W(x) as a corollary. (Received September 26, 2006)