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**Noel P. Brady\*** (nbrady@math.ou.edu), Department of Mathematics, University of Oklahoma, Norman, OK 73019, and **Dan P. Guralnik** and **Sang Rae Lee**. *Dehn functions and finiteness properties of subgroups of  $CAT(0)$  groups.*

We introduce a modification of right-angled Artin groups. These groups are the fundamental groups of non-positively curved cubical complexes, and they admit standard maps to  $\mathbb{Z}$  just like right-angled Artin groups. Furthermore, the finiteness properties of the kernel subgroups are the same as those of the kernels of the corresponding right-angled Artin group. However, the geometry of the kernels is very different than in the right-angled Artin situation. (Received September 21, 2010)