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**Giang Le\*** ([giangl@oregonstate.edu](mailto:giangl@oregonstate.edu)). *Action dimensions of some simple complexes of groups.*

The action dimension of a discrete, torsion-free group  $G$  is the smallest dimension of a model for its classifying space  $BG$  by a manifold. In other words, action dimension of  $G$  is the minimum dimension of the thickening of a CW model for  $BG$  to a manifold, possibly with boundary. We compute the action dimension of some simple complexes of groups, in particular, of the fundamental groups of aspherical complements of arrangements of affine hyperplanes. This is a joint work with M. Davis and K. Schreve. (Received February 05, 2018)