1037-14-244 Daniel C. Cohen, Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803, Michael Falk, Department of Mathematics and Statistics, Northern Arizona University, Flagstaff, AZ 86011, and Richard Randell\* (randell@math.uiowa.edu), Department of Mathematics, University of Iowa, Iowa City, IA 52242. Generating sets, discriminantal bundles and fundamental groups. Preliminary report.

Given an arrangement of hyperplanes we produce via "generating sets" a number of bundles over the complement with fibers affine discriminantal arrangements. For a fixed arrangement one has such a construction for each rank two lattice element X, which yields a bundle over the complement of those hyperplanes containing X. We study the "Brieskorn homomorphism" on fundamental groups induced by inclusion into the product of such arrangements over all X, determine the kernel in general, and show that this kernel need not be trivial. (Received February 04, 2008)