

1052-14-219

Aaron Wootton* (wootton@up.edu), 5000 North Willamette Blvd, Portland, OR 97217, and **J W Anderson**. *Bounding the Number of Group Actions on a Surface of Fixed Genus*. Preliminary report.

Let S be a closed oriented surface of genus $\sigma \geq 2$ and let N_σ denote the number of topologically distinct non-trivial finite group actions on S . For general σ , it is easy to determine upper and lower bounds for N_σ dependent upon σ , but such bounds are usually gross approximations. We consider the problem of refining such bounds. (Received August 28, 2009)