

Page 474: Replace the paragraph starting with “The TVC was known to fail ...” by the following:

The TVC was known to fail if one replaces invariant Borel by invariant analytic sets, even in a classical model theory context, which corresponds essentially to actions of the infinite symmetric group  $S_\infty$ . It follows also that the TVC for analytic sets also fails for any Polish group that contains a closed subgroup that can be mapped homomorphically and continuously onto  $S_\infty$ , i.e., any Polish group that contains a closed subgroup that has  $S_\infty$  as a factor. Remarkably, Hjorth showed in 1998 that a Polish group fails to satisfy the TVC for analytic sets exactly when it has a closed subgroup that has  $S_\infty$  as a factor. This has also the following striking consequence: if the VC fails (which is widely believed but not proved yet), then the groups that satisfy the TVC are exactly the ones that do not have a closed subgroup that has  $S_\infty$  as a factor.