

1120-37-45

Scot Robert Adams* (adams@math.umn.edu), 206 Church St SE, Vincent Hall, University of Minnesota, Minneapolis, MN 55455. *Freeness of actions in bundles.*

A general Lie group action is not free, but it is often possible to achieve freeness by passing to a well-chosen bundle. Peter Olver has conjectured that, a broad range of situations, working in a specific tower of bundles, freeness can be achieved on a nonempty open set. We investigate that conjecture. (Received February 01, 2016)