

1159-57-135

J Scott Carter* (carter@southalabama.edu), 16003 Windroot St., Austin, TX 78728. *Amusing
Permutation Representations of Group Extensions.*

This work is joint with Byeorhi Kim and Yungju Bae. Herein we demonstrate a number of diagrammatic ways of depicting the 2-fold central extensions of the 3-dimensional motion groups. Some other groups will be considered. For example, the hyper-octahedral groups have similar depictions. The methods are based upon a consequence of the Krasner-Kaloujnine Theorem. The talk will be replete with pictures. (Received August 03, 2020)