1165-16-216   **Anne V Shepler*** (`ashepler@unt.edu`) and **Sarah Witherspoon** (`sjw@math.tamu.edu`).
Group-twisted Alexander-Whitney and Eilenberg-Zilber maps.

We construct Alexander-Whitney and Eilenberg-Zilber maps twisted by group actions. These chain maps convert between resolutions of skew group algebras, the natural semidirect products recording actions of groups on algebras. The group-twisted chain maps help us transfer information for use in homology theories; for example, they give a more universal approach to some previous results classifying PBW deformations. (Received January 18, 2021)