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Justin R. Peters* (peters@iastate.edu), Department of Mathematics, Carver Hall, Iowa State University, Ames, IA 50011. *Z^2 -actions and semicrossed products*. Preliminary report.

We consider transitive Z^2 -actions σ on a finite set X , and their classification up to conjugacy. Our goal is to classify the semicrossed products $Z^2 \times_{\sigma} C(X)$.

This is joint work in progress with Mohamed Alaimia. (Received August 10, 2005)