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Mufit Sezer and **Wenliang Zhang*** ([wlzhang@uic.edu](mailto:w1zhang@uic.edu)), 322 Science and Engineering Offices
(M/C 249), 851 S. Morgan Street, Chicago, IL 60607. *Gorensteinness of modular coinvariants*.

Let V be a finite dimensional representation of a finite abelian group G over a field k . If the characteristic of k doesn't divide the order of G (i.e. a non-modular representation), it is known that the ring of coinvariants is Gorenstein if and only if the ring of invariants is a polynomial ring. I'd like to discuss related questions and results for modular representations. This is joint work with Mufit Sezer. (Received August 10, 2015)