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Lizhen Ji and **Zongzhu Lin*** (zlin@math.ksu.edu), Department of Mathematics, Kansas State University, Manhattan, KS 66503. *Finite generation of cohomology rings for classes of infinite groups.*

For a finite group G , the cohomology ring with coefficient in a Noetherian commutative ring is always Noetherian. In this talk, I will discuss the same results for classes of infinite groups. These infinite groups appear in many interesting geometric and topological contexts. (Received February 16, 2010)