

North Carolina State University  
Mathematics Department

ALGEBRA SEMINAR

September 15, 1999

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N. C. State University

Some natural algebraic structures in  
equivariant K-theory

**ABSTRACT:** Given a topological space  $X$  acted upon by a finite group  $G$ , the so-called wreath product  $G \wr S_n$  (which is a finite group generalizing symmetric group  $S_n$ ) acts on the  $n$ -th cartesian product  $X^n$ . We will show the direct sum of equivariant topological K-groups  $K_{G \wr S_n}(X^n)$  for all  $n$  carries several wonderful algebraic structures. Some applications will be discussed.

2:35-3:25 p.m.    HA 335

Faculty and Graduate students are invited to attend.

Please contact [jing@math.ncsu.edu](mailto:jing@math.ncsu.edu) for more  
information. Visit our Homepage at

<http://www.math.ncsu.edu/~jing/Seminar/alg.html>