

1046-55-799

Armira Shkemi* (armira@wayne.edu), 2440 Jonathan Drive, Sterling Heights, MI 48310. *Some Ext groups in motivic cohomology theory.*

The talk focuses on motivic cohomology and some computational results on *Ext* groups over a subalgebra of the motivic Steenrod algebra. Through out it we work with motivic F_2 -cohomology over $SpecC$. We give a brief introduction to $A(1)$, a subalgebra of the motivic Steenrod algebra. We then compute $Ext_{A(1)}^*(H^{*,*}(pt), H^{*,*}(pt))$ as a ring and $Ext_{A(1)}^*(H^{*,*}(DQ_\infty), H^{*,*}(pt))$ as a module over $Ext_{A(1)}^*(H^{*,*}(pt), H^{*,*}(pt))$, where DQ_∞ is a motivic object which will be introduced during the talk. (Received September 11, 2008)