Meeting: 1000, Albuquerque, New Mexico, SS 6A, Special Session on Arithmetic Geometry

1000-11-177   **Wieslawa Krystyna Niziol*** (`niziol@math.utah.edu`). *A proof of the Semistable Conjecture.*
Semistable Conjecture postulates a relationship between etale cohomology and de Rham cohomology of algebraic varieties over local fields of mixed characteristic. It was proved by Kato, Tsuji and then Faltings. I will present a new proof of this conjecture relating the above cohomologies via K-theory. (Received August 23, 2004)