

1014-14-1420      **Max Lieblich\*** ([lieblich@math.princeton.edu](mailto:lieblich@math.princeton.edu)), Department of Mathematics, Princeton University, Fine Hall, Washington Road, Princeton, NJ 08544-1000. *A geometric approach to period-index problems.*

We discuss the period-index problem for Brauer classes over function fields and its relation to the geometry of moduli spaces of stable vector bundles on curves and surfaces. (Received September 28, 2005)