

1014-11-1507      **S Sharif\*** ([shahed@math.berkeley.edu](mailto:shahed@math.berkeley.edu)), 47 Putnam St., Buffalo, NY 14213. *Period and index of curves: various constructions.*

Lichtenbaum in 1969 proved divisibility restrictions on the period and index of curves. I will show how to construct curves of various possible genus, period and index over different fields. In particular, this provides a converse to Lichtenbaum's theorem over local fields of odd or zero characteristic. (Received September 28, 2005)