On the Splitting Field of Quasi-Thin Schemes

A. Rahnamai Barghi
Institute for Advanced Studies in Basic Sciences (IASBS)
Zanjan, Iran

The main result of this article shows that the splitting field of a quasi-thin scheme is a subfield of a cyclotomic extension of the rational number field. It is a direct consequence of this result that all character values of a quasi-thin scheme are cyclotomic numbers.