

Fundamental system of units of some family of quartic fields

Claude Levesque (cl@mat.ulaval.ca)

Université Laval

Département de mathématiques et de statistique

Université Laval

Québec, QC G1K 7P4

Canada

Abstract. We exhibit a fundamental system of units for fields $\mathbf{Q}(\omega)$ where ω is a root of a polynomial of the form $X^4 - aX^2 + b$ for certain given values of a, b .

