

Algebra and geometry of archimedean integers in general number fields

Carl Weisman, Ph. D. University of Pennsylvania, 1969

Abstract

I will review rapidly the fundamental facts about archimedean absolute values on number fields. I will define the generalized rings of archimedean integers, "modules" over them, and their properties. Then I will discuss the nature of localizations and other over-"rings" of archimedean, with an example in Lehmer's field.

Keywords: number field, archimedean integer.