

Weil height minoration in some radical extensions of number fields

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In this talk, I will consider a number field K and a finitely generated subgroup $\Gamma \subseteq K^\times$, and study extensions obtained by adjoining roots of elements of Γ . A conjecture of G. Rémond predicts that, in such extensions, all small points arise from taking roots of elements of Γ . The talk will survey the state of the art on this conjecture and present a recent contribution, obtained in joint work with A. Conti, I. Del Corso, and A. Plessis, concerning the case of the S -divisible subgroup Γ^{S-div} , where S is a finite set of primes.