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In stable theories it is possible to associate to sufficiently big models a certain monoid obtained by quotienting the semigroup of types with tensor product by a relation called "domination-equivalence". This equivalence relation was generalised to arbitrary theories in [1], where it was studied in the case of the theory of algebraically closed valued fields and it was shown that every global invariant type is domination-equivalent to a product of types concentrating in the residue field or in the the value group. Unfortunately, domination-equivalence is not always a congruence with respect to the product of invariant types, as shown in [2]. The aim of this talk is to present an instance of this incompatibility, along with a first development of the general theory of this interaction.

[1] Deirdre Haskell, Ehud Hrushovski, and Dugald Macpherson, ***Stable Domination and Independence in Algebraically Closed Valued Fields***, Lecture Notes in Logic, Cambridge University Press, 2008.

[2] Rosario Mennuni, *Product of invariant types modulo domination-equivalence*, ***Archive for Mathematical Logic***, accepted.