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 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.
