# Groups Interpretable in Simple Theories

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Type-definable abelian groups or even algebraically closed fields arise naturally in the general stable context due to an interaction between types, more precisely due to non-orthogonality of regular types. A strong version of interaction which always appears as consequence of non-orthogonality is internality. In this case the automorphism group of one type (more precisely strong type) over the other is known to be type-definable (see [H]). The latest phenomenon is the basic idea for proving the existence of type-definable abelian groups or algebraically closed fields that mentioned above. We discuss an extension of this phenomenon for simple theories as well as possible analogs (see [S]).

[H] Ehud Hrushovski, Unidimensional theories are superstable, Annals of Pure and Applied Logic 50, 1990, pgs 117-138.

[S] Ziv Shami, Internality and type-definablity of the automorphism group in simple theories, preprint.

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