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The fixed subalgebra of the group of automorphisms (25-30)

In the theory of contact of manifolds in Differential Geometry it is of interest to answer the following question: Given a finite dimensional algebra over the real field, when is it true that only the constants (i.e. the real numbers) are fixed by the whole group of automorphisms of the algebra?. In this talk we address that question, partially answering it and showing where the main obstacle lies in order to get a total solution.