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On algebraically closed skew fields (i.e. Makar-Limanov's bodies).

Abstract:

We all know what is an algebraically closed field and that any field can be embedded into an algebraically closed field. But what happens if multiplication is not commutative? In my talk I'll suggest a definition of an algebraically closed skew field, give an example of such a skew field, and show that not every skew field can be embedded into an algebraically closed one.  
It is still unknown whether an algebraically closed skew field exists in the finite characteristic case!