

# Finite-dimensional Sets Definable in Differentially Closed Fields

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The category (or many-sorted structure) mentioned in the title is rather rich and bears many similarities to the category of compact complex spaces.

We raise the question of interpretability in algebraically closed fields, and prove it for the subcategory of group objects. We also raise the issue of the existence of new “compact” or “complete” objects in the category, and again give some positive results.