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The complexity of pointed minimal and transitive systems in different spaces

We will talk about several results regarding classification problems for pointed minimal and transitive systems in symbolic, Hilbert cube and Cantor spaces. Those equivalent relations are intensively connected with “topological type” of sequences. As consequences, we are able to show that conjugacy relation of minimal systems is not classifiable by countable structures, conjugacy relation of transitive symbolic Subshift is not amenable, etc. This is joint work with Konrad Deka, Ruiwen Li and Marcin Sabok.