The project title. The central types of hereditary Jonsson theories

Project goal. Description of syntactic and semantic properties of central types of fragments of fixed definable subsets of the semantic model in admissible enrichments of hereditary given Jonsson theories and the same spectra.

Project tasks.

1. Finding the invariance properties with respect to similarity of central types of two Jonsson theories by comparing formula subsets of their semantic models.
2. Studying the properties of lattices of existential formulas of a convex hereditary perfect Jonsson theory and their connection with hereditary fixed fragments of definable subsets of the semantic model of this theory.
3. Studying the properties of central types of Jonsson perfect pairs of hereditary fragments of definable subsets of fixed semantic models.
4. Studying the properties of heredity of fragments of definable sets with respect to similarity of the central types of these fragments.
5. Characterizing the invariant properties of central types of cosemanticity classes of a fixed Jonsson spectrum.
6. Studying the Schröder-Bernstein property for a fixed hereditary fragment.
7. Obtaining estimates of the number of central types of a hereditary convex fragment of a theoretical set with respect to minimality properties.

Composition of the research group

Full	name, education, academic degree, academic title	Hirsch index, ResearcherID, ORCID, Scopus Author ID (if available)
1	Yeshkeyev Aibat Rafhatovich, higher education, Doctor of Physical and Mathematical Sciences, Professor	H-index: Web of Science-13, Scopus-10. Scopus AuthorID: 35786898900; Web of Science Researcher ID: U-6268-2018; ORCID:00000-0003-0149-6143;
2	Zhumabekova Galiya Erkinovna, Doctor of Philosophy (PhD), specialty 6D060100-Mathematics	H-Index: Scopus -1, Web of Science – 2; Web of Science Researcher ID: JLL-0668-2023; ORCID: 0000-0003-0323-5887