Markhabatov, N. D.; Sudoplatov, S. V.
Topologies, ranks, and closures for families of theories. II. (English. Russian original)
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Algebra Logic 60, No. 1, 38-52 (2021); translation from Algebra Logika 60, No. 1, 57-80 (2021).

Summary: We describe topological properties, ranks, and closures as well as their dynamics for families of theories. Closures for families of theories are introduced based on sentences of the given theories. We look at properties of these closures and establish their relationship with standard closures. Values of $e_1$-spectra, as well as conditions for the existence of least generating sets, are characterized. Closures for linearly ordered families of theories are examined.

For Part I, see [the authors, ibid. 59, No. 6, 437–455 (2021; Zbl 07350228); translation from Algebra Logika 59, No. 6, 649–679 (2020)].

MSC:
03-XX Mathematical logic and foundations
20-XX Group theory and generalizations

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References:

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