

Larisa Maksimova. List of Publications (until 2003)

I give my List of Publications in chronological order below. Among them my theses

L.Maksimova. Logical calculi of rigorous implication. PhD Thesis, Novosibirsk, 1968,

L.Maksimova. Decidable properties of superintuitionistic and modal logics. Habilitation Thesis, Novosibirsk, 1985

and two monographs

I.A.Lavrov, L.L.Maksimova, Problems in Logic, Novosibirsk State University, Novosibirsk, 1970,

I.A.Lavrov, L.L.Maksimova, Problems in Set Theory, Mathematical Logic and Recursion Theory, 5th Ed., Fizmatlit, Moscow, 2002, 2003, 2004, 2006 (1st Ed. - 1975; 2nd Ed. - 1984; 3rd Ed. - 1995; 4th Ed. -2001; Hungar. translation, Budapest - 1988, English translation - Plenum/Kluwer, New York, 2003. Polish translation - Warszawa 2004).

Many of my results were published in journals *Algebra i Logika*, *Sibirskii Matematicheskii Zhurnal* in Russian but these journals are fully translated into English by Plenum Publishing Corporation. Also there are publications in *Doklady Akademii Nauk SSSR* (also fully translated as *Soviet Math. Doklady*), and in international journals.

List of Publications

1. L.Maksimova. On system of axioms of the calculus of rigorous implication, *Algebra i Logika*, 3, no. 3, 59-68 (1964).
2. L.Maksimova. Formal deductions in the calculus of rigorous implication, *Algebra i Logika*, 5, no. 6, 33-39 (1966).
3. L.Maksimova. Some problems of Ackermann's calculus, International Congress of Mathematicians, Abstracts of Section 1, Moscow, 1966, p.19.
4. L.Maksimova. Some problems of the Ackermann calculus, *Doklady AN SSSR*, 175, no. 6, 1222-1224 (1967).
5. L.Maksimova. Topological spaces and quasi-ordered sets, *Algebra i Logika*, 6, no. 4, 51-59 (1967).

6. L.Maksimova. Topological spaces and quasi-ordered sets, 8th All-Union Colloquium on general algebra (Abstracts), Ryga, p. 82 (1967).
7. L.Maksimova. On models of the calculus E, Algebra i Logika, 6, no. 6, 5-20 (1967).
8. L.Maksimova. On a calculus of rigorous implication, Algebra i Logika, 7, no. 2, 55-75 (1968).
9. L.Maksimova. Logical calculi of rigorous implication (Ph.D.thesis), Novosibirsk, 1968.
10. L.Maksimova. An interpretation of systems with rigorous implication, 10th All-Union Algebraic Colloquium (Abstracts), Novosibirsk, p. 113 (1969).
11. L.Maksimova. On E-theories, Algebra i Logika, 9, no.5, 530-538 (1970).
12. L.Maksimova. Interpretation, extension theorems and separation theorems for the calculi E and R, 4th Intern. Congress of LMPS (Abstracts), Bucharest, p. 34-35 (1971).
13. I.A.Lavrov, L.L.Maksimova, Problems in Logic, Novosibirsk State University, Novosibirsk, 106 pp (1970).
14. L.Maksimova. Interpretation and separation theorems for the calculi E and R, Algebra i Logika, 10, no. 4, 376-392 (1971).
15. L.Maksimova. Quasi-finite superintuitionistic logics, 11th All-Union Algebraic Colloquium (Abstracts), Kishinev, 258-259 (1971).
16. L.Maksimova. Pretabular superintuitionistic logics, Algebra i Logika, 11, no. 5, 558-570 (1972).
17. L.Maksimova. Implication lattices, Algebra i Logika, 12, no. 4, 445-467 (1973).
18. L.Maksimova. A semantics for the calculus E of entailment, Bull. of Section Logic, 2, no. 1, 18-23 (1973).
19. L.Maksimova. On the variety of R-models, 12 All-Union Algebraic Colloquium (Abstracts), v. 2, p. 287, Sverdlovsk (1973).
20. L.Maksimova, D.Vakarelov, Representation theorems for generalized Post algebras of order w, Bull. de l'Acad. Sci. Polonaise (Ser. math), 22, no. 8, 757-764 (1974).
21. L.Maksimova, D.Vakarelov, Semantics for w-valued predicate calculi, Bull. de l'Acad. Sci. Polonaise (Ser. math), 22, no. 8, 765-771 (1974).
22. L.Maksimova. Implication strict, In: Encyclopedia of Cybernetics, Kiev, 1974, 352-353.
23. L.Maksimova. Logics non-classical, In: Encyclopedia of Cybernetics, Kiev, 1974, 352-353.
24. L.L.Maksimova, V.V.Rybakov, On lattice of normal modal logics, Algebra i Logika, 13, no. 2, 182-216 (1974).
25. L.L.Maksimova, V.V.Rybakov, On lattice of modal logics, 3th All-Union Conference on Mathematical Logic (Abstracts), 131-132, Novosibirsk (1974).

26. I.A.Lavrov, L.L.Maksimova, Problems in Set Theory, Mathematical Logic and Recursion Theory, Nauka, Moscow, 1975 (2nd Ed. - 1984; 3rd Ed. - 1995; Hungar. translation, Budapest - 1988).
27. L.Maksimova. On tautologies of w-valued logic, *Matematicheskie Zametki*, 17, no. 6, 947-955 (1975).
28. L.Maksimova. Pretabular extensions of the Lewis logic S4, *Algebra i Logika*, 14, no. 1, 28-55 (1975).
29. L.Maksimova. Locally finite varieties of topological boolean algebras, 13th All-Union Algebraic Symposium (Abstracts), 425-426, Gomel' (1975).
30. L.Maksimova. Modal logics of finite slices, *Algebra i Logika*, 14, no. 3, 304-319 (1975).
31. L.Maksimova. Principles of separation of variables in propositional logics, *Algebra i Logika*, 15, no. 2, 168-184 (1975).
32. L.Maksimova. Boolean-valued models of modal logic, 7th All-Union Symposium of Logic and Methodology of Science (Abstracts), 133-135, Kiev (1976).
33. L.Maksimova. Separation of variables in relevant calculi, 4th All- Union Conference on Mathematical Logic (Abstracts), p. 81, Kishinev (1976).
34. L.Maksimova. Amalgamated varieties of pseudoboolean algebras, 14th All-Union Algebraic Conference (Abstracts), v. 2, 107-108, Novosibirsk (1977).
35. L.Maksimova. Craig's interpolation theorem and amalgamable varieties, *Doklady Akademii Nauk SSSR*, 237, no. 6, 1281-1284 (1977).
36. L.Maksimova. Craig's theorem in superintuitionistic logics and amalgamable varieties of pseudo-boolean algebras, *Algebra i Logika*, 16, No. 6, 643-681 (1977).
37. L.Maksimova. Craig's interpolation theorem in modal logics, Modal and intensional logics (Abstracts), 89-91, Moscow (1978).
38. L.L.Maksimova, D.P.Scvortsov, V.B.Shehtman. Impossibility of finite axiomatization of Medvedev's logic of finite problems, *Doklady AN SSSR*, 245, no. 6, 1051-1053 (1979).
39. L.Maksimova. Interpolation properties of superintuitionistic logics, *Studia Logica*, 38, no. 4, 419-428 (1979).
40. L.Maksimova. On a classification of modal logics, *Algebra i Logika*, 18, no. 3, 328-340 (1979).
41. L.Maksimova. Interpolation theorems in modal logics and amalgamable varieties of topological boolean algebras, *Algebra i Logika*, 18, No. 5, 556-586 (1979).
42. L.Maksimova. Interpolation theorems in modal logics: Sufficient conditions. *Algebra i Logika*, 19, No. 2, 194-213 (1980).
43. L.Maksimova. Interpolation properties of superintuitionistic and modal logics, Modal and tense logics (Proc. of 2nd Soviet-Finnish Colloquium on Logic - Moscow '79), 54-69 (1979).

44. L.Maksimova. Almost all modal logics do not have Craig's interpolation property, 6th Intern. Congress of LMPS (Abstracts, Sec. 1-4), 120-123 (1979).
45. L.Maksimova. On locally finite varieties of pseudoboolean algebras, 16th All-Union Algebraic Conference (abstracts), part 1, 99-100, Leningrad (1981).
46. L.Maksimova. On Craig's theorem in modal logics, In: Modal and intensional logics (8th All-Union Conference on Logic and Methodology of Science), 63-65, Vilnius (1982).
47. L.Maksimova. Interpolation in modal logics, 6th All-Union Conference on Math. Logic (abstracts), p. 102, Tbilisi (1982).
48. L.Maksimova. Failure of the interpolation property in modal counterparts of Dummett's logic (in Russian). *Algebra i Logika*, 21, no.6, 690-694 (1982).
49. L.Maksimova. Interpolation properties of superintuitionistic, positive and modal logics, In: *Intensional Logics: Theory and Applications*, Soc. Philos. Fennica, Helsinki, p. 70-78 (1982).
50. L.Maksimova. The Lyndon interpolation theorem in modal logics (in Russian), *Mathematical logic and theory of algorithms*, Nauka, Novosibirsk, p. 45-55 (1982).
51. L.Maksimova. On interpolation in modal logics containing S4, 7th Intern. Congress of LPMS (abstracts), v. 1, 84-87, Salzburg (1983).
52. L.Maksimova. Remarks on the disjunction property in superintuitionistic logics (in Russian), *Semiotic aspects of intelligent activity*, Publ. VINITI, Moscow, p. 83-85 (1983).
53. L.Maksimova. On number of amalgamated varieties of topoboolean algebras, 17th All-Union Algebraic Conference (abstracts), part 2, 135-136, Minsk (1983).
54. L.Maksimova. On number of maximal intermediate logics with the disjunction property, 7th All-Union Conference on Math. Logic (abstracts), p. 95, Novosibirsk (1984).
55. L.Maksimova. On maximal intermediate logics with the disjunction property, *Studia Logica*, 45, no. 1, 69-75 (1986).
56. L.Maksimova. Infinite-slice extensions of the modal logic K4 possessing interpolation property, 8th All-Union Conference on Math. Logic (abstracts), p. 107, Moscow (1986).
57. L.Maksimova. Modal K4-logics of infinite slice, In: *Logic and system methods of analysis of scientific knowledge (to 9th All-Union Meeting for Logic, Methodology and Philosophy of Science)*, p. 35, Kharkov (1986).
58. L.Maksimova. On interpolation in normal modal logics, In: *Non-classical logics*, Stiintsa, Kishinev, 40-56 (1987).
59. L.Maksimova. On a variety of diagonalizable algebras, 19th All-Union Algebraic Conference (abstracts), part 1, p.170, Lvov (1987).
60. L.Maksimova. Craig's interpolation property in propositional modal logics, 9th Intern. Congress of LPMS (abstracts), v. 5, 35-38, Moscow (1987).
61. L.Maksimova. Interpolation in infinite-slice extensions of the provability logic (in Russian), *Algebra i Logika*, 27, no.5 (1988), 581-604.

62. L.Maksimova. Definability theorems in normal extensions of the provability logic, Preprint/Institute of Mathematics, Siberian Division of AS of USSR, Novosibirsk, 1988.
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64. L.Maksimova. Interpolation and the Beth properties in extensions of the provability logic, 9th All-Union Conference on Math. Logic (abstracts), p. 97, Leningrad, (1988).
65. L.Maksimova. Interpolation in modal logics of infinite slice containing K4 (in Russian), *Matematicheskaya logika i algoritmicheskie problemy*, Novosibirsk, Nauka (Sib. Div.), 73-91 (1989).
66. L.Maksimova. Definability theorems in normal extensions of the provability logic. *Studia Logica*, 48, no. 4, 495-507 (1989).
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68. L.Maksimova. Interpolation, the Beth property and tense logic of "tomorrow". Preprint of the Institute of Mathematics, Siberian Division of USSR Acad. Sci., Novosibirsk, 1989.
69. L.Maksimova. Interpolation and definability theorems in normal extensions of the modal provability logic, *Logic Colloquium '89 (Abstracts)*, Berlin, JSL, 57, no. 1, 312-313 (1992).
70. L.Maksimova. Relevant principles and formal deducibility, In: *Directions in relevant logic*, Kluwer Acad. Publ., Dordrecht, p. 95-97 (1989).
71. L.Maksimova. Temporal logics with discrete moments of time and the Beth property, 4th Asian Logic Conference (Proc.), p. 31-34, Tokyo (1990).
72. L.Maksimova. Interpolation and definability theorems in modal logics, 10th All-Union Conference on Math. Logic (abstracts), p. 105, Alma-Ata (1990).
73. L.Maksimova. Temporal logics with discrete moments of time and the Beth property, *Intern. Congress of Mthematicians (Abstracts)*, p. 1, Kyoto, Japan (1990).
74. L.Maksimova. The tense logic of "the next" do not have the Beth property, *Journal of Applied Non-Classical Logic*, 1, no. 1, 73-76 (1991).
75. L.Maksimova. Temporal logics with the operator "the next" do not have interpolation or the Beth property, *Sibirskii Matematicheskii Zhurnal*, 32, no. 6, 109-113 (1991).
76. L.Maksimova. Definability and interpolation in varieties of modal algebras, *Intern. Conference of Algebra (Abstracts)*, Barnaul, 1991, p. 81.
77. L.Maksimova. Beth's properties, interpolation and amalgamation in varieties of modal algebras, *Doklady AN SSSR*, 319, no. 6, 1309-1312 (1991).
78. L.Maksimova. On the Beth definability properties in modal logics, 9th Intern. Congress of LMPS (Abstracts), v. 1, p. 144, Uppsala '91, Sweden (1991).

79. L.Maksimova. Amalgamation and interpolation in normal modal logics, *Studia Logica*, 50, no. 3/4, 457-471 (1991).
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81. L.Maksimova. An analog of Beth’s theorem in normal extensions of the modal logic K4, *Sibirskij Matematicheskii Zhurnal*, 33, no. 6, 118-130, (1992).
82. L.Maksimova. Definability and interpolation in classical modal logics (Proc. of the International Conference on Algebra, ded. A.I Malcev, Novosibirsk ’89), *Contemporary Mathematics*, 131, Part 3, 583-599 (1992).
83. L.Maksimova, Hallden-completeness in normal modal logics, The 1992 European Summer Meeting of the ASL (Veszprem, August 9-15, 1992), Abstracts, p. 59; *JSL*, 58, no. 3, 1134-1135 (1993).
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85. L.Maksimova. Explicit definition of implicitly definable in some modal logics. *Logic Colloquium ’93*. University of Keele, 1993, *Bull. Symbolic Logic*, 1, no. 1 (1995), 97-98.
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90. L.Maksimova. Interpolation in predicate logics with equality. 10th international Congress of Logic, Methodology and Philosophy of Science, 1995, Abstracts, p.154; *Bull. Symbolic Logic*, 3, no. 2 (1997), 269-270.
91. L.Maksimova. On variable separation in modal and super- intuitionistic logics. *Studia Logica*, 55 (1995), 99-112.
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93. L.Maksimova. Formulas preserving interpolation and Beth’s properties. *Logic Colloquium ’96*, Abstracts, Donostia - San Sebastian, Spain, July 1996, p.128 ;*Bulletin of Symbolic Logic*, 3 no. 2 (1997), 269-270.

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94. L.Maksimova. Joint embedding properties in varieties of modal algebras. Conference on Universal Algebra and Lattice Theory, Abstracts, Szeged, Hungary, July 1996, p.34
 95. L.Maksimova. Interrelation of Logical, Algebraic and Semantical Properties for Intermediate and Normal Modal Logics. In: Logic, Algebra and Computer Science, Technical Report 96-11(232), 1996, Institute of Informatics, Warsaw University, p. 30.
 96. L.Maksimova. On the Beth definability properties in varieties of modal algebras. Workshop on Abstract Algebraic Logic (Abstracts), CRM, Bellaterra (Spain), 1997, 71-75.
 97. L.L.Maksimova. Explicit Definitions of Implicitly Definable Objects in some Modal Logics. Siberian Mathematical Journal, 38, no. 3 (1997), 598-602.
 98. L.L.Maksimova. Interpolation in Superintuitionistic Predicate Logics with Equality. Algebra and Logic, 36, no. 5 (1997), 536-554.
 99. L.Maksimova. Projective Beth Property in varieties of modal and Heyting Algebras. Conference on Universal Algebra and Lattice Theory, Abstracts, Szeged, Hungary, July 1998, p. 26.
 100. L.Maksimova. Explicit and Implicit Definability in Modal and Related Logics. Bulletin of Section of Logic, 27, no. 1/2 (1998), 36-39.
 101. L.Maksimova. Interpolation in Superintuitionistic and Modal Predicate Logics with Equality. In: M.Kracht, M.de Rijke, H.Wansing, M.Zakharyashchev editors, Advances in Modal Logic, Volume I, Lecture Notes, CSLI Publications, Stanford, 133-141, 1998.
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 108. L.L.Maksimova. Superintuitionistic Logics and Projective Beth Property. Algebra and Logic, 38, no. 6 (1999), 680-696

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