PUBLICATIONS OF MICHAEL STOB

- 1. The structure and elementary theory of the recursively enumerable sets, Ph.D. thesis, University of Chicago, (1979).
- 2. Splitting properties and jump classes, Israel Journal of Mathematics **39** (1981) 210–224. MR 84i:03083 (with W. Maass and R. Shore)
- 3. Invariance of properties under automorphisms of the lattice of recursively enumerable sets, Pacific Journal of Mathematics **100** (1982) 445–471. MR 83k:03049
- 4. Index sets and degrees of unsolvability, Journal of Symbolic Logic 47 (1982) 241–248. MR 83i:03069
- Learning strategies, Information and Control 53 (1982) 32–57. MR 85e:68088 (with D. Osherson and S. Weinstein)
- 6. Ideal learning machines, Cognitive Science 6 (1982) 277–290. (with D. Osherson and S. Weinstein)
- 7. Relative recursive enumerability, in "Proceedings of the Herbrand Symposium, Logic Colloquim '81," North-Holland, 1982, 299-324. MR 86b:03050 (with R. Soare)
- 8. Intervals of the lattice of recursively enumerable sets determined by major subsets, Annals of Pure and Applied Logic 24 (1983) 189–212. MR 85j:03066 (with W. Maass)
- 9. wtt-degrees and T-degrees of r.e. sets, Journal of Symbolic Logic 48 (1983) 921-930. MR 85b:03073
- 10. Note on a central lemma of learning theory, Journal of Mathematical Psychology 27 (1983) 86–92. (with D. Osherson and S. Weinstein)
- 11. Formal theories of language acquisition: Practical and theoretical perspectives, in "Proceedings of the Seventh International Joint Conference on Artificial Intelligence," 1983. (with D. Osherson and S. Weinstein)
- 12. A supplement to "A mathematician's quide to popular sports", American Mathematical Monthly 91 (1984) 277–282. MR 85i:05122b
- Learning theory and natural language, Cognition 17 (1984) 1–28. (with D. Osherson and S. Weinstein) reprinted in "Learnability and Linguistic Theory," R. Matthews and W. Demopoulos, Eds., Kluwer, 1990.
- 14. Major subsets and the lattice of recursively enumerable sets, in "Proceedings of Symposia of Pure Mathematics," American Mathematical Society, Providence, 1985, 107–116. MR 87b:03092
- 15. Rankings from round robin tournaments, Management Science 31 (1985) 1191–1195. MR 87c:90273
- 16. "Systems that Learn," MIT Press, Cambridge, 1986. (with D. Osherson and S. Weinstein)
- 17. Analysis of a learning paradigm, in "Language Learning and Concept Acquisition, Foundational Issues," Demopoulous and Marras, Ed., Ablex, 1986, 103–116. (with D. Osherson and S. Weinstein)
- 18. Structural Interactions of the recursively enumerable T- and W-degrees, Annals of Pure and Applied Logic 31 (1986) 203–236. MR 87k:03042 (with R. G. Downey)
- 19. Social learning and collective choice, Synthese **70** (1987) 319-347. MR 88b:90018 (with D. Osherson and S. Weinstein)

- 20. Aggregating inductive expertise, Information and Control **70** (1986) 69–95. MR 88a:68082 (with D. Osherson and S. Weinstein)
- 21. Synthesizing inductive expertise, Information and Computation 77 (1988) 138–161. MR 89m:68117 (with D. Osherson and S. Weinstein)
- 22. Modular learning, in "Computational Neuroscience," Eric Schwartz, Ed., MIT Press, Cambridge, 1989, 369–397. (with D. Osherson and S. Weinstein)
- 23. Mechanical learners pay a price for Bayesianism, Journal of Symbolic Logic **53** (1988) 1245–1251. MR 90a:03065 (with D. Osherson and S. Weinstein)
- 24. Uniform inductive improvement, University of Pennsylvania, Department of Computer and Information Science Technical Report MIS-CIS-89-29 (with D. Osherson and S. Weinstein)
- 25. On approximate truth, in "Proceedings of the Second Annual Workshop in Computational Learning Theory," R. Rivest, D. Haussler, and M. Warmuth, Eds., 1989, 88–101. (with D. Osherson and S. Weinstein)
- 26. A mechanical method of successful inquiry, "Proceedings of the Third Annual Workshop on Computational Learning Theory," Morgan-Kaufmann, 1990.
- 27. Automorphisms and splittings of recursively enumerable sets in Proceedings of the Fourth Asian Logic Conference, CSSK Centre, 1990, 75–87. (with R. Downey)
- 28. Automorphisms of the lattice of recursively enumerable sets: Orbits, Advances in Mathematics 92 (1992) 237–265. MR 93g:03038 (with R. G. Downey)
- 29. A universal inductive inference machine, Journal of Symbolic Logic, 56 (1991) 661–672. MR 93g:03025 (with D. Osherson and S. Weinstein) reprinted in "Logic, Computation and Discovery," K. Kelly, Ed., Cambridge University Press, to appear.
- 30. New directions in automated scientific discovery, Information Sciences, **57** (1991) 217–230. (with D. Osherson and S. Weinstein)
- 31. Array nonrecursive sets and multiple permitting arguments, in "Proceedings of a Conference held in Oberwohlfach, West Germany," Springer-Verlag, 1989, 141–174. MR 91k:03110 (with R. Downey and C. Jockusch)
- 32. A situation-based approach to approximate truth, in "Proceedings of the 5th IEEE International Symposium on Intelligent Control," IEEE Computer Society Press, 1990, 431–433.
- 33. Default probabilities, Cognitive Science, 15 (1991) 251–270. (with D. Osherson, E. Smith, and O. Wilkie)
- 34. Jumps of hemimaximal sets, Zeitschrift für Mathematische Logik und Grundlagen der Mathematisch, 37 (1991) 113–120. MR 93e:03056 (with R. G. Downey)
- 35. Minimal pairs in initial segments of the recursively enumerable degrees, Israel Journal of Mathematics, 100 (1997) 7–27. (with R. Downey)
- 36. Automorphisms of the lattice of recursively enumerable sets: Promptly simple sets, Transactions of the American Mathematical Society, **332** (1992) 555–570. MR 92j:03039 (with P. Cholak and R. Downey)

- 37. A universal method of scientific inquiry, Machine Learning, 9 (1992) 261–271. (with D. Osherson and S. Weinstein)
- 38. Friedberg splittings of r.e. sets, Annals of Pure and Applied Logic, **59** (1993) 175–199. MR 94d:03082 (with R. Downey)
- 39. Splitting theorems in recursion theory, Annals of Pure and Applied Logic, **65** (1993) 1–106. MR 95c:03099 (with R. Downey)
- 40. Logic and Learning, in "Computational Learning Theory and Natural Learning Systems," MIT Press, 1994, 3–23. MR 96b:68159 (with D. Osherson and S. Weinstein)
- 41. Extrapolating human probability judgment, Theory and Decision, **36** (1994) 103–129. (with D. Osherson, E. Smith, T. Myers, and E. Shafir)
- 42. Array nonrecursive sets and genericity, "Computability, Enumerability, Unsolvability: Directions in Computability Theory", London Mathematical Society, Lecture Notes 224, Cambridge University Press, 1996, 93–104. MR 97f:03060 (with R. Downey and C. Jockusch)
- 43. Computable Boolean Algebras, J. Symbolic Logic, 65 (2000) 1605–1623. (with J. Knight)