
Antonín Kučera

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Welcome (at your own risk)

Teaching

- **NTIN064** Computability I
- **NTIN065** Computability II
- **NTIN073** Recursion Theory I
- **NTIN074** Recursion Theory II

Selected publications

- *Kučera A., Nies A. Demuth randomness and computational complexity*, Annals of Pure and Applied Logic 162, pp.504–513, Elsevier, 2011
- *Kučera A., Nies A. Demuth's path to randomness*, Lecture Notes in Computer Science, 7160, pp.159-173, Elsevier, 2012
- *Kučera A., Slaman T. Low upper bounds of ideals*, Journal of Symbolic Logic, 74 (2), pp.517-534, ASL, 2009
- *Kučera A., Slaman T. Turing incomparability in Scott sets.*, Proc. Amer. Math. Soc., 135 (11), pp.3723-3731, AMS, 2007
- *Kučera A., Terwijn S. Lowness for the class of random sets*, Journal of Symbolic Logic, 64 (4), pp.1396-1402, ASL, 1999
- *Kučera A., Slaman T. Randomness and recursive enumerability*, SIAM J. Computing, 31(1), pp.199–211, SIAM, 2001
- *Kučera A. An alternative, priority-free, solution to Post problem*, Lecture Notes in Computer Science 233, pp.493 - 500, Springer Verlag, 1986
- *Kučera A. Measure, $\Pi_1(0)$ -classes and complete extensions of PA*, Lecture Notes in Mathematics 1141, pp.245-259, Karger, 1985
- *Kučera A. On relative randomness*, Annals of Pure and Applied Logic 63(1), pp.61-67, Elsevier, 1993
- *Kučera A. Randomness and generalizations of fixed-point free functions*, Lecture Notes in Mathematics 1432, pp.245-254, Springer Verlag, 1990
- *Hájek P., Kučera A. On recursion theory in $I\Sigma_1$* , Journal of Symbolic Logic, 54 (2), pp.576-589, ASL, 1989
- *Kučera A. On the use of diagonally nonrecursive functions*, Studies in Logic and the Foundations of Mathematics, vol. 129 (Logic Colloquium'87), pp.219-239, Elsevier, 1989
- *Kučera A. On the role of \mathcal{O} in Recursion Theory*, Studies in Logic and the Foundations of Mathematics Volume 124, (Logic Colloquium '86), pp.133-141, Elsevier, 1987

- *Demuth O., Kučera A. Remarks on 1-genericity, semigenericity and related concepts*, Comm. Math. Univ. Carolinae, 28(1), pp.85-94, , 1987
- *Demuth O., Kučera, A. Remarks on constructive mathematical analysis*, Studies in Logic and the Foundations of Mathematics, vol. 97(C), pp.81-129, Elsevier, 1979