

PUBLICATION LIST - DR. ANDREAS FISCHER

Publications

- (1) *O-Minimal Λ^m -Regular Stratification* *Annals of Pure and Applied Logic*, **147** (2007) 101-112
- (2) *Extending o-minimal Fréchet Derivatives* *Annales Polonici Mathematici*, **92**, No. 2 (2007), 179-189
- (3) *Differentiability of Peano Derivatives* *Proceedings of the American Mathematical Society*, **136**, No. 5, (2008), 1779-1785
- (4) *Smooth functions in o-minimal structures* *Advances in Mathematics* **218**, (2008), 496-514
- (5) *Smooth Approximation of Definable Continuous Functions* *Proceedings of the American Mathematical Society*, **136** (2008), no. 7, 2583-2587
- (6) *Zero-Set Property of O-Minimal Indefinitely Peano Differentiable Functions* *Annales Polonici Mathematici* **94**, No. 1, (2008), 29-41 .
- (7) *O-minimal analytic separation of sets in dimension 2* *Annals of Pure and Applied Logic*, **157**, (2009), 130-138
- (8) with Krzysztof Kurdyka *Subanalytic Blow- C^m functions*, *Proceedings of the American Mathematical Society*, **137**, No. 7, (2009), 2285-2291
- (9) *Definable Smoothing of Lipschitz Continuous Functions* *Illinois Journal of Mathematics*, Volume 52, Number 2, Summer 2008, Pages 583-590
- (10) *O-minimal Peano Differentiable Extensions*, *Advances in Geometry*, online, July 2009
- (11) *Singularities of o-minimal Peano derivatives*, *Mathematische Nachrichten*, accepted, April 2008
- (12) *John functions for o-minimal domains*, *Advances in Geometry*, accepted, March, 2009

Preprints

- (13) *The Riemann mapping theorem for o-minimal functions*, January, 2008
- (14) *Definability of algebraic models*, June, 2008
- (15) *On compositions of subanalytic functions*, October, 2008
- (16) *On sums of subanalytic functions*, November, 2008
- (17) *On smooth locally o-minimal functions*, January, 2009
- (18) *Infinite Peano differentiable functions in polynomially bounded o-minimal structures*, March, 2009
- (19) *Positivstellensätze for families of definable functions*, April, 2009
- (20) *A strict Positivstellensatz for definable quasianalytic rings*, April, 2009
- (21) with Murray Marshall *Extending piecewise polynomial functions in two variables*, May, 2009
- (22) with Matthias Aschenbrenner *Definable Versions of Theorems by Kirszbraun and Helly*, June, 2009