

List of Publications

Books

- [1] Michael D. Fried and Moshe Jarden, *Field Arithmetic*, Ergebnisse der Mathematik III **11**, Springer, Heidelberg, 1986.
- [2] Moshe Jarden, *Infinite Galois Theory*, A chapter in Handbook of Algebra I, edited by M. Hazewinkel, Elsevier Science B.V., Amsterdam, 1996
- [3] M. D. Fried and M. Jarden, *Field Arithmetic, Second edition, revised and enlarged by Moshe Jarden*, Ergebnisse der Mathematik (3) **11**, Springer, Heidelberg, 2004.

Articles

A. Published.

- [1] Dov Jarden and Moshe Jarden, *On the existence of an infinitude of composite primitive divisors of second order recurring sequences*, The Fibonacci Quarterly 6 (1968), 322-334.
- [2] Moshe Jarden, *Rational points on algebraic varieties over large number fields*, Bulletin of AMS **75** (1969), 603-606.
- [3] Moshe Jarden, *Elementary statements over large algebraic fields*, Transactions of AMS **164** (1972), 67-91.
- [4] Moshe Jarden, *Realization of finite groups over function fields*, Journal of Algebra **24** (1973), 154-158.
- [5] Moshe Jarden, *An injective rational map of an abstract algebraic variety into itself*, Crelle Journal **265** (1974), 23-30.
- [6] Gerhard Frey and Moshe Jarden, *Approximation theory and the rank of abelian varieties over large algebraic fields*, Proceedings of the London Mathematical Society **28** (1974), 112-128.
- [7] Moshe Jarden, *Algebraic extensions of finite corank of Hilbertian fields*, Israel Journal of Mathematics **18** (1974), 279-307.
- [8] Moshe Jarden, *On Čebotarev sets*, Archiv der Mathematik **25** (1974), 495-497.
- [9] Wulf-Dieter Geyer and Moshe Jarden, *Fields with the density property*, Journal of Algebra **35** (1975), 178-189.
- [10] Moshe Jarden, *On ideal theory in high Prüfer domains*, Manuscripta Math. **14** (1975), 303-336.
- [11] Moshe Jarden, *Roots of unity over large algebraic fields*, Mathematische Annalen **213** (1975), 109-127.
- [12] Moshe Jarden and Ursel Kiehne, *The elementary theory of algebraic fields of finite corank*, Inventiones Mathematicae **30** (1975), 275-294.

- [13] Moshe Jarden, *Algebraically closed fields with distinguished subfields*, Archiv der Mathematik **27** (1976), 502-505.
- [14] Michael Fried and Moshe Jarden, *Stable extensions with the global density property*, Canadian Journal of Mathematics **28** (1976), 774-787.
- [15] Moshe Jarden, *The elementary theory of ω -free Ax fields*, Inventiones mathematicae **38** (1976), 187-206.
- [16] Wulf-Dieter Geyer and Moshe Jarden, *Torsion points of elliptic curves over large algebraic extensions of finitely generated fields*, Israel Journal of Mathematics **31** (1978), 157-197.
- [17] Michael Fried and Moshe Jarden, *Diophantine properties of subfields of $\tilde{\mathbb{Q}}$* , American Journal of Mathematics **100** (1978), 653-666.
- [18] Moshe Jarden, *Intersections of conjugate fields of finite corank over Hilbertian fields*, Journal of London Mathematical Society(2) **17** (1978), 393-396.
- [19] Moshe Jarden and Jürgen Ritter, *On the characterization of local fields by their absolute Galois groups*, Journal of Number Theory **11** (1979), 1-13.
- [20] Moshe Jarden, *An analogue of Artin-Schreier Theorem*, Mathematische Annalen **242** (1979), 193-200.
- [21] Moshe Jarden, *Torsion in linear groups over large algebraic fields*, Archiv der Mathematik **32** (1979), 445-451.
- [22] Moshe Jarden, *An analogue of Čebotarev density theorem for fields of finite corank*, Journal of Mathematics Kyoto University **20** (1980), 141-147.
- [23] Moshe Jarden and Peter Roquette, *The Nullstellensatz over p -adically closed fields*, Journal of the Mathematical Society Japan **32** (1980), 425-460.
- [24] Moshe Jarden, *Normal automorphisms of free profinite groups*, Journal of Algebra **62** (1980), 118-123.
- [25] Moshe Jarden and Jürgen Ritter, *Normal automorphism of absolute Galois groups of p -adic fields*, Duke Mathematical Journal, **47** (1980), 47-56.
- [26] Moshe Jarden, *Transfer principles for finite and p -adic fields*, Nieuw Archief fur Wiskunde, (3) **28** (1980), 139-158.
- [27] Dan Haran and Moshe Jarden, *Bounded statements in the theory of algebraically closed fields with distinguished automorphisms*, Journal für die reine und ungewandte Mathematik **337** (1982), 1-17.
- [28] Moshe Jarden, *The elementary theory of large e -fold ordered fields*, Acta mathematica **149** (1982), 239-260.
- [29] Moshe Jarden, *Torsion-free profinite groups with open free subgroups*, Archiv der Mathematik **39** (1982), 496-500.
- [30] Moshe Jarden, *The Čebotarev density theorem for function fields; an elementary approach*, Mathematische Annalen **261** (1982), 467-475.
- [31] Moshe Jarden and William H. Wheeler, *Model-complete theories of e -free Ax fields*, Journal of Symbolic Logic, **48** (1983), 1125-1129.
- [32] Moshe Jarden and Jürgen Ritter, *On irreducible tame representations of the absolute Galois extension of a local field and symplectic-type extensions of \mathbb{Q}_p* , Illinois Journal of Mathematics **27** (1983), 14-30.
- [33] Jan Denef, Moshe Jarden and D.J. Lewis, *On Ax-fields which are C_i* , Quarterly Journal of Mathematics (2), **34** (1983), 21-36.

- [34] Moshe Jarden, *The elementary theory of normal Frobenius fields*, Michigan Mathematical Journal **30** (1983), 155-163.
- [35] Moshe Jarden, *On the model companion of the theory of e -fold ordered fields*, Acta mathematica **150** (1983), 243-253.
- [36] Moshe Jarden and Saharon Shelah, *Pseudo algebraically closed fields over rational function fields*, Proceeding of AMS **87**, (1983), 223-228.
- [37] Michael Fried, Dan Haran and Moshe Jarden, *Galois stratification over Frobenius fields*, Advances of Mathematics, **51** (1984), 1-35.
- [38] Marcel Jacobson and Moshe Jarden, *On torsion of abelian varieties over large algebraic extensions of finitely generated fields*, Mathematika **31** (1984), 110-116.
- [39] Dan Haran and Moshe Jarden, *Real free groups and the absolute Galois group of $\mathbb{R}(t)$* , Journal of pure and applied algebra, **37** (1985), 155–165.
- [40] Dan Haran and Moshe Jarden, *The absolute Galois group of a pseudo real closed field*, Annali della Scuola Normale Superiore — Pisa, Serie IV, **12** (1985), 449–489.
- [41] Greg Cherlin and Moshe Jarden, *Undecidability of some elementary theories over PAC fields*, Annals of pure and applied logic **30** (1986), 137–163.
- [42] Dan Haran and Moshe Jarden, *The absolute Galois group of a pseudo real closed algebraic field*, Pacific Journal of Mathematics **123** (1986), 55–69.
- [43] Dan Haran and Moshe Jarden, *The absolute Galois group of a pseudo p -adically closed field*, Journal für die reine und angewandte Mathematik **383** (1988), 147–206.
- [44] Moshe Jarden, *The algebraic nature of the elementary theory of PRC fields*, manuscripta mathematicae **60** (1988), 463–475.
- [45] Wulf-Dieter Geyer and Moshe Jarden, *On the normalizer of finitely generated subgroups of absolute Galois groups of uncountable Hilbertian fields of characteristic 0*, Israel Journal of Mathematics **63** (1988), 323–334.
- [46] Wulf-Dieter Geyer and Moshe Jarden, *On stable fields in positive characteristic*, Geometria Dedicata **29** (1989), 335–375.
- [47] Moshe Jarden and Gopal Prasad, *The discriminant quotients formula for global fields*, Appendix to Gopal Prasad’s paper “Finiteness theorems for discrete subgroups of bounded covolume in semi-simple groups”, Publication Mathématique IHES **69** (1989), 115–116.
- [48] Ido Efrat and Moshe Jarden, *Free pseudo p -adically closed fields of finite corank*, Journal of Algebra **133** (1990), 132–150.
- [49] Moshe Jarden, *Intersection of local algebraic extensions of a Hilbertian field*, in Generators and Relations in Groups and Geometries (edited by Barlotti and all.), NATO ASI Series C **333** 343–405, Kluwer, Dordrecht 1991.
- [50] Moshe Jarden, *Algebraic realization of p -adically projective groups*, Compositio Mathematica **79** (1991), 21–62.
- [51] Wulf-Dieter Geyer and Moshe Jarden, *The p -adic closure of a PpC field*, Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg **n61** (1991), 63–71.
- [52] Moshe Jarden and Jürgen Ritter, *On the Frattini subgroup of the absolute Galois group of a local field*, Israel Journal of Mathematics **n74** (1991), 81–90.
- [53] Dan Haran and Moshe Jarden, *Compositum of Galois extensions of Hilbertian fields*, Annales Scientifiques de l’Ecole Normale Supérieure (4) **24** (1991), 739–748.

- [54] Moshe Jarden and Alexander Lubotzky, *Hilbertian fields and free profinite groups*, Journal of the London Mathematical Society (2) **46** (1992), 205–227.
- [55] M. Fried, D. Haran, M. Jarden, *Effective counting of the points of definable sets over finite fields*, Israel Journal of Mathematics **85** (1994), 103–133.
- [56] Moshe Jarden, *The inverse Galois problem over formal power series fields*, Israel Journal of Mathematics **85** (1994), 263–275.
- [57] M. Jarden, *Algebraic dimension over Frobenius fields*, Forum **6** (1994), 43–63.
- [58] M. Jarden and A. Razon, *Pseudo algebraically closed fields over rings*, Israel Journal of Mathematics **86** (1994), 25–59.
- [59] M. Jarden, *Prosolvable subgroups of free products of profinite groups*, Communications of Algebra **22** (1994), 1467–1494.
- [60] M. Jarden, *On free profinite groups of uncountable rank*, Contemporary Mathematics **186** (1995), 371–383/
- [61] M. Jarden and A. Razon, *Skolem density problems over algebraic PAC fields over rings* Nieuw Archief voor Wiskunde **13** (1995), 381–399.
- [62] M. Jarden, *Large normal extensions of Hilbertian fields* Mathematische Zeitschrift **224** (1997), 555–565.
- [63] M. Jarden and A. Razon, *Rumely’s local global principle for algebraic PSC fields over rings*, Transactions of AMS **350** (1998), 55–85.
- [64] Dan Haran and M. Jarden, *Regular split embedding problems over complete valued fields*, Forum Mathematicum **10** (1998), 329–351.
- [65] W.-D. Geyer and M. Jarden, *Bounded realization of l -groups over global fields*, Nagoya Mathematical Journal **150** (1998), 13–62.
- [66] Dan Haran and Moshe Jarden, *Regular split embedding problems over function fields of one variable over ample fields*, Journal of Algebra **208** (1998), 147–164.
- [67] M. D. Fried and M. Jarden, *On Σ -Hilbertian fields*, Pacific Journal of Mathematics **185** (1998), 307–313.
- [68] Moshe Jarden and Alexander Lubotzky, *Random normal subgroups of free profinite groups*, Journal of Group Theory **2** (1999), 213–224.
- [69] Moshe Jarden, *The projectivity of the fundamental group of an affine line*, The Turkish Journal of Mathematics **23** (1999), 531–547.
- [70] M. Jarden and A. Razon, *Skolem density problems over large Galois extensions of global fields*, Contemporary Mathematics **270** (2000), 213–235.
- [71] D. Haran and M. Jarden *The absolute Galois group of $C(x)$* , Pacific Journal of Mathematics **196** (2000), 445–459.
- [72] M. Jacobson and M. Jarden, *Finiteness theorems for torsion of abelian varieties over large algebraic fields* Acta Arithmetica **98** (2001), 15–31.
- [73] W.-D. Geyer and M. Jarden, *Non-PAC fields whose Henselian closures are separably closed*, Mathematical Research Letters **8** (2001), 509–519.
- [74] Wulf-Dieter Geyer and Moshe Jarden, *PSC Galois extensions of Hilbertian fields*, Mathematische Nachrichten **236** (2002), 119–160.
- [75] M. Jarden, *Ample fields*, Archiv der Mathematik **80** (2003), 475–477.
- [76] D. Haran and M. Jarden, *Relatively projective groups as absolute Galois groups*,

- ”Progress in Galois Theory”, eds. H. Voelklein and T. Shaska, in ”Progress in Galois Theory”, eds. H. Voelklein and T. Shaska, pp. 87-1000, Springer Science, 2005.
- [77] W.-D. Geyer and M. Jarden, *Torsion of Abelian varieties over large algebraic fields*, *Finite Field Theory and its Applications* **11** (2005), 123–150.
- [78] G. Frey and M. Jarden, *Horizontal isogeny theorems*, *Forum* **14** (2002), 931–952.
- [79] D. Haran, M. Jarden, and F. Pop, *P-Adically projective groups as absolute Galois groups*, *IMRN* **32** (2005), 1957-1995.
- [80] G. Frey and M. Jarden, *On the number of elliptic curves with CM over large algebraic fields*, *Annales de l’Institut Fourier* **55** (2005), 2361–2374.
- [81] W.-D. Geyer and M. Jarden, *The rank of Abelian varieties over large algebraic fields*, *Archiv der Mathematik* **86**, (2006), 211–216.
- [82] M. Jarden, *A Karrass-Solitar theorem for profinite groups*, *Journal of Group theory* **9** (2006), 139–146.
- [83] M. Jarden, *The rank of Abelian varieties over large Galois extensions of Hilbertian fields*, Appendix to S. Petersen’s paper “On a question of Frey and Jarden about the rank of Abelian varieties”, *Journal of Number Theory* **120** (2006), 287–302.
- [84] M. Jarden, *PAC fields over number fields*, *Journal de Theorie des Nombres de Bordeaux*
- [85] M. Jarden and W. Narkiewicz, *On sums of units*, *Monatshefte für Mathematik* **150** (2007), 327–332.
- [86] D. Haran, M. Jarden, and F. Pop, *Projective group structures as absolute Galois structures with block approximation*, *Memoirs of AMS* **189** (2007), 1–56,

B. Accepted for publication

- [1] D. Haran and M. Jarden, *The absolute Galois groups of finite extensions of $\mathbb{R}(t)$* , *Archiv der Mathematik*
- [2] M. Jarden and C. Videla, *Undecidability of families of rings of totally real integers*, *International Journal of Number Theory*
- [3] L. Bary-Soroker and M. Jarden, *PAC fields over finitely generated fields*, *Mathematische Zeitschrift*,