Murray Marshall's publications on Positive Polynomials and Moment Problems

1. M. Ghasemi, M. Infusino, S. Kuhlmann, M. Marshall, *A continuous moment problem for locally convex spaces*, in preparation.
2. M. Ghasemi, S. Kuhlmann, M. Marshall, *Moment problem in infinitely many variables*, arXiv: 1409.5777, to appear.
3. M. Marshall, *Application of localization to the multivariate moment problem II*, arXiv: 1410.4609, to appear.
4. M. Ghasemi, M. Marshall, *Lower bounds for a polynomial on a basic closed semialgebraic set using geometric programming*, arXiv:1311.3726
5. M. Ghasemi, S. Kuhlmann, M. Marshall, *Application of Jacobi's representation theorem to locally multiplicatively convex topological R-algebras*, J. Functional Analysis, 266 (2014), no. 2, 1041–1049.
6. M. Ghasemi, J.B. Lasserre, M. Marshall, *Lower bounds on the global minimum of a polynomial*, Computational Optimization and Applications, 57 (2014) 387–402.
7. M. Marshall, *Application of localization to the multivariate moment problem*, Math. Scandinavica, 115 no. 2 (2014) 269–286.
8. M. Ghasemi, M. Marshall, Sven Wagner, Closure of the cone of sums of 2d-powers in certain weighted ℓ_1-seminorm topologies, Canad. Math. Bull., 57, no 2, (2014) 289-302.
9. M. Ghasemi, M. Marshall, *Lower bounds for polynomials using geometric programming*, SIAM Journal on Optimization, 22 (2012) 460–473.
10. M. Marshall, T. Netzer, *Positivstellensätze for real function algebras*, Math. Zeitschrift, 270 (2012) 889–901.
11. J. Cimprič, M. Marshall, T. Netzer, *Closures of quadratic modules*, Israel J. Math., 189 (2011) 445–474.
12. J. Cimprič, M. Marshall, T. Netzer, *On the real multidimensional rational K-moment problem*, Transactions AMS, 363 (2011) 5773–5788.
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16. M. Marshall, *Representation of non-negative polynomials, degree bounds and applications to optimization*, Canad. J. Math., 61 (2009) 205–221.
17. M. Marshall, *Positive polynomials and sums of squares*, AMS Math. Surveys and Monographs 146 (2008) 187+xii pages.
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19. M. Marshall, *Error estimates in the optimization of degree two polynomials on a discrete hypercube*, SIAM Journal on Optimization,16 (2005)
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21. M. Marshall, *Approximating Positive Polynomials Using Sums Of Squares*, Can. math. bulletin, 46 (2003) 400-418
22. M. Marshall, *Optimization of Polynomial Functions*, Can. math. bulletin, 46 (2003) 575-587

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24. M. Marshall, *A General Representation Theorem For Partially Ordered Commutative Rings*, Math. Zeitschrift 242 (2002), 217-225
25. M. Marshall, *Extending The Archimedean Positivstellensatz To The Non-Compact Case*, Can. math. bulletin, 44 (2001) 223-230
26. M. Marshall, *A Real Holomorphy Ring Without The Schmüdgen Property*, Can. math. bulletin, 42 (1999) 354-35