



























- [27] B. Anderson, N. Bose, and E. Jury, "Output feedback stabilization and related problems-solution via decision methods," *IEEE Transactions on Automatic Control*, vol. 20, no. 1, pp. 53–65, 1975.
- [28] H. Anai and S. Hara, "Fixed-structure robust controller synthesis based on sign definite condition by a special quantifier elimination," in *Proceedings of American Control Conference 2000*, 2000, pp. 1312–1316.
- [29] D. Q. Mayne, "Control of constrained dynamic systems," *European Journal of Control*, vol. 7, pp. 87–99, 2001, survey paper.
- [30] K. Fukuda, "Frequently asked questions in polyhedral computation," December 2004. [Online]. Available: <http://www.ifor.math.ethz.ch/~fukuda/fukuda.html>
- [31] C. N. Jones, E. C. Kerrigan, and J. M. Maciejowski, "Equality Set Projection: A new algorithm for the projection of polytopes in halfspace representation," Department of Engineering, University of Cambridge, Tech. Rep. CUED/F-INFENG/TR.463, March 2004. [Online]. Available: <http://www-control.eng.cam.ac.uk>
- [32] E. C. Kerrigan, "Robust constraint satisfaction: Invariant sets and predictive control," Ph.D. dissertation, Department of Engineering, University of Cambridge, 2000. [Online]. Available: <http://www-control.eng.cam.ac.uk>
- [33] E. C. Kerrigan, J. Lygeros, and J. M. Maciejowski, "A geometric approach to reachability computations for constrained discrete-time systems," in *Proc. 15th IFAC World Congress on Automatic Control*, Barcelona, Spain, July 2002.
- [34] E. C. Kerrigan and D. Q. Mayne, "Optimal control of constrained, piecewise affine systems with bounded disturbances," in *Proc. 41st IEEE Conference on Decision and Control*, Las Vegas, Nevada, USA, December 2002.
- [35] S. V. Raković, E. C. Kerrigan, and D. Q. Mayne, "Reachability computations for constrained discrete-time systems with state- and input-dependent disturbances," in *Proc. 42nd IEEE Conference on Decision and Control*, Maui, Hawaii, USA, December 2003.
- [36] S. V. Raković, "Robust Control of Constrained Discrete Time Systems: Characterization and Implementation," Ph.D. dissertation, Imperial College London, London, United Kingdom, 2005.
- [37] S. V. Raković, E. C. Kerrigan, and D. Q. Mayne, "Optimal control of constrained piecewise affine systems with state- and input-dependent disturbances," in *Proceedings of the 16th International Symposium on Mathematical Theory of Networks and Systems*, Katholieke Universiteit Leuven, Belgium, July 2004.
- [38] S. Rakovic, P. Grieder, M. Kvasnica, D. Q. Mayne, and M. Morari, "Computation of invariant sets for piecewise affine discrete time systems subject to bounded disturbances," in *Proc. 43rd IEEE Conference on Decision and Control*, Paradise Island, Bahamas, December 2004.
- [39] I. Kolmanovsky and E. G. Gilbert, "Theory and computation of disturbance invariant sets for discrete-time linear systems," *Mathematical Problems in Engineering*, vol. 4, no. 4, pp. 317–367, 1998.
- [40] G. Matheron, *Random Sets and Integral Geometry*. John Wiley & Sons, New York, 1975.
- [41] J. Serra, *Image Analysis and Mathematical Morphology*. Academic Press, 1982.
- [42] K. Fukuda, "cdd/cdd+ reference manual." [Online]. Available: <http://www.ifor.math.ethz.ch/~fukuda/fukuda.html>
- [43] S. M. Veres, "Geometric Bounding Toolbox (GBT 7.2) for MATLAB." [Online]. Available: <http://sysbrain.com>
- [44] M. Kvasnica, P. Grieder, M. Baotić, and M. Morari, "Multi Parametric Toolbox (MPT)," in *Hybrid Systems: Computation and Control*, ser. Lecture Notes in Computer Science, vol. 2993. Philadelphia, Pennsylvania, USA: Springer Verlag, March 2004, pp. 448–462. [Online]. Available: <http://control.ee.ethz.ch/~mpt>
- [45] A. Bemporad, M. Morari, V. Dua, and E. N. Pistikopoulos, "The explicit linear quadratic regulator for constrained systems," *Automatica*, vol. 38, pp. 3–20, 2002.
- [46] B. Grünbaum, *Convex Polytopes*, 2nd ed. Springer, 2003.
- [47] R. T. Rockafellar and R. J.-B. Wets, *Variational Analysis*. Springer-Verlag, 1998.
- [48] E. Polak, *Optimization: Algorithms and Consistent Approximations*. New York: Springer-Verlag, 1997, ISBN 0-387-94971-2.