

DIMITRI P. BERTSEKAS

## Scholarly Publications

### Textbooks

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2. D. P. Bertsekas and S. E. Shreve, Stochastic Optimal Control: The Discrete Time Case, Academic Press, 1978, (translated in Russian); republished by Athena Scientific, 1997.
3. D. P. Bertsekas, Lagrange Multiplier Methods in Constrained Optimization, Academic Press, 1982, (translated in Russian); republished by Athena Scientific, 1996.
4. D. P. Bertsekas and R. G. Gallager, Data Communication Networks, Prentice-Hall, 1987, (translated in Russian and Japanese); second edition published in 1991.
5. D. P. Bertsekas, Dynamic Programming: Deterministic and Stochastic Models, Prentice-Hall, 1987.
6. D. P. Bertsekas and J. N. Tsitsiklis, Parallel and Distributed Computation: Numerical Methods, Prentice-Hall, 1989; republished by Athena Scientific, 1997.
7. D. P. Bertsekas, Linear Network Optimization: Algorithms and Codes, MIT Press, 1991.
8. D. P. Bertsekas, Dynamic Programming and Optimal Control, (2 Vols.), Athena Scientific, 1995; 2nd edition of Vol. 1 published in 2000; 2nd edition of Vol. 2 published in 2001; 3rd edition of Vol. 1 published in 2005; 3rd edition of Vol. 2 published in 2007.
9. D. P. Bertsekas, Nonlinear Programming, Athena Scientific, 1995; 2nd edition published in 1999.
10. D. P. Bertsekas and J. N. Tsitsiklis, Neuro-Dynamic Programming, Athena Scientific, 1996; awarded the 1997 INFORMS CSTS prize for research excellence in the interface between operations research and computer science.
11. D. P. Bertsekas, Network Optimization: Continuous and Discrete Models, Athena Scientific, 1998.
12. D. P. Bertsekas and J. N. Tsitsiklis, Introduction to Probability, Athena Scientific, 2002.
13. D. P. Bertsekas, with A. Nedic and A. Ozdaglar, Convex Analysis and Optimization, Athena Scientific, 2003.
14. D. P. Bertsekas, Convex Optimization Theory, Athena Scientific, 2009.
15. D. P. Bertsekas, Abstract Dynamic Programming, Athena Scientific, 2013.
16. D. P. Bertsekas, Convex Optimization Algorithms, Athena Scientific, to appear Jan. 2015.

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3. D. P. Bertsekas and I. B. Rhodes, "On the Minimax Reachability of Target Sets and Target Tubes," Automatica, Vol. 7, pp. 233-241, March 1971.
4. D. P. Bertsekas, "Infinite Time Reachability of State Space Regions by Using Feedback Control," IEEE Trans. on Automatic Control, Vol. AC-17, pp. 604-613, October 1972.
5. D. P. Bertsekas and I. B. Rhodes, "Sufficiently Informative Functions and the Minimax Feedback Control of Uncertain Dynamic Systems," IEEE Trans. on Automatic Control, Vol. AC-18, pp. 117-124, April 1973.
6. D. P. Bertsekas, "Stochastic Optimization Problems with Nondifferentiable Cost Functionals," Journal of Optimization Theory and Applications, Vol. 12, pp. 218-231, August 1973.
7. D. P. Bertsekas and S. K. Mitter, "Descent Numerical Methods for Optimization Problems with Nondifferentiable Cost Functions," SIAM Journal on Control, Vol. II, pp. 637-652, November 1973.
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9. D. P. Bertsekas, "Partial Conjugate Gradient Methods for a Class of Optimal Control Problems," IEEE Trans. on Automatic Control, Vol. AC-19, pp. 209-217, June 1974.
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