

Rothblum, Uriel G.

Sensitive growth analysis of multiplicative systems. I: The dynamic approach. (English)

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MSC:

60G35 Signal detection and filtering (aspects of stochastic processes)
60H99 Stochastic analysis
93A99 General systems theory
60C05 Combinatorial probability

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Keywords:

power growth rate; combinatorial characterization; periodic asymptotic behavior

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References:

- [1] Gale, David, The theory of linear economic models, (1960)
- [2] Halmos, PaulR., Finite-dimensional vector spaces, (1958) · Zbl 0107.01404
- [3] Hardy, G., Divergent Series, (1949) · Zbl 0032.05801
- [4] Harris, TheodoreE., The theory of branching processes, (1963) · Zbl 0117.13002
- [5] Howard, RonaldA.; Matheson, JamesE., Risk-sensitive Markov decision processes, Management Sci., 18, 356, (197172) · Zbl 0238.90007
- [6] Utility optimal policies in an undiscounted Markov decision processTechnical Report275Department of Operations Research, Cornell UniversityIthaca, New York1975
- [7] Karlin, Samuel, Mathematical methods and theory in games, programming and economics. Vol. I: Matrix games, programming, and mathematical economics, (1959)
- [8] Karlin, Samuel, A first course in stochastic processes, (1966)
- [9] Kemeny, J.; Snell, J., Finite Markov chains, (1960) · Zbl 0089.13704
- [10] Mckenzie, L. W.; Malivaud, E.; Bacharach, M. O. L., Maximal paths in the von Neumann model, Activity Analysis and the Theory of Growth and Planning, (1967), St. Martin Press, New York
- [11] McKenzie, LionelW., Capital accumulation optimal in the final state, Contributions to the von Neumann growth model (Proc. Conf., Inst. Advanced Studies, Vienna, 1970), (1971), Springer, New York · Zbl 0329.90013
- [12] Meyer, C. D., The role of the group generalized inverse in the theory of finite Markov chains, SIAM Rev., 17, 443, (1975) · Zbl 0313.60044 · doi:10.1137/1017044
- [13] Nikaido, H., Convex structures and economic theory, (1968) · Zbl 0172.44502
- [14] Rothblum, UrielG., Algebraic eigenspaces of nonnegative matrices, Linear Algebra and Appl., 12, 281, (1975) · Zbl 0321.15010 · doi:10.1016/0024-3795(75)90050-6
- [15] Computation of the eigenprojection of a nonnegative matrix at its spectral radiusMathematical Programming Studies 6, Stochastic Systems: Modeling, Identification and Optimization II1976188201
- [16] Rothblum, UrielG., Expansions of sums of matrix powers, SIAM Rev., 23, 143, (1981) · Zbl 0466.15005 · doi:10.1137/1023036
- [17] Rothblum, UrielG., Multiplicative Markov decision chains, Math. Oper. Res., 9, 6, (1984) · Zbl 0535.90097
- [18] Cumulative average optimality for normalized Markov decision chains1975June
- [19] Vandergraft, JamesS., Spectral properties of matrices which have invariant cones, SIAM J. Appl. Math., 16, 1208, (1968) · Zbl 0186.05701 · doi:10.1137/0116101
- [20] Varga, RichardS., Matrix iterative analysis, (1962)

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