

List of publications of Shmuel (aka Samuel) Friedland

Journal, conference and edited book papers

- [1] Free edge buckling of heterogeneous cylindrical shells in axial compression, (with Y. Stavsky), *Int. J. Mech. Sci.* 11 (1969), 217-223.
- [2] Stability of heterogeneous orthotropic cylindrical shells in axial compression, (with Y. Stavsky), *Israel J. Technol.* 7 (1969), 111-119.
- [3] On a conjecture of Robertson, *Arch. Rational Mech. Anal.* 37 (1970), 255-261.
- [4] Univalence conditions and Sturm–Liouville eigenvalues, (with Z. Nehari), *Proc. Amer. Math. Soc.* 24 (1970), 595-603.
- [5] Buckling of composite circular plates under radial compression, (with Y. Stavsky), *Acta Mechanica* 11 (1971), 87-98.
- [6] Matrices with prescribed off-diagonal elements, *Israel J. Math.* 11 (1972), 184-189.
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- [8] Extremal eigenvalue problems for convex sets of symmetric matrices and operators, *Israel J. Math.* 15 (1973), 311-331.
- [9] Nonoscillation and integral inequalities, *Bull. Amer. Math. Soc.* 80 (1974), 715-717.
- [10] Matrices satisfying the van der Waerden conjecture, *Linear Algebra Appl.* 8 (1974), 521-528.
- [11] On functions of bounded boundary rotation, (with Aharonov), *Ann. Acad. Sci. Fenn.* AI 585 (1974), 18 pp.
- [12] Generalized Hadamard inequality and its applications, *Linear Multilin. Algebra* 2 (1975), 327-333.
- [13] On matrix approximation, *Proc. Amer. Math. Soc.* 51 (1975), 41-43.
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- [20] Global results in control theory with applications to univalent functions, (with M. Schiffer), *Bull. Amer. Math Soc.* 82 (1976), 913-915.

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- [22] On coefficient region of univalent functions, (with M. Schiffer), *J. Analyse Math.* 31 (1977), 125-168.
- [23] On an inverse eigenvalue problem arising in circuit theory, *Proc. First Internat. Conf. on Math Modelling*, St. Louis, Missouri, 1977, pp. 1591-1601.
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- [27] Global principle for free end point problems in optimal control and differential games, *J. Optim. Theory Appl.* 24 (1978), 293-303.
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- [32] Extremal eigenvalue problems defined on conformal classes of compact Riemannian manifolds, *Comment. Math. Helvetici* 54 (1979), 494-507.
- [33] The reconstruction of a symmetric matrix from the spectral data, *J. Math. Anal. Appl.* 71 (1979), 412-422.
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- [38] The association of resonance states with incomplete spectrum of finite complex scaled Hamiltonian matrices, (with N. Moiseyev), *Phys. Rev. A* 22 (1980), 619-624.
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