

Representative Publications:

1. Kerr, T. H., "Applying Stochastic Integral Equations to Solve a Particular Stochastic Modeling Problem," Ph.D. Thesis in the Department of Electrical Engineering, University of Iowa, Iowa City, Iowa, January 1971.
2. Kerr, T. H., Eyman, E. D., and Loh, N. K., "Modeling a Particular Class of Multiple-Input/Multiple-Output Black Boxes with Stochastic Integral Equations and Specifying the Required Parameters," *Proceedings of the I.F.A.C. Symposium on Modeling and Identification*, Hague, Netherlands, 1973.
3. Kerr, T. H., "ADA70 Steady-State Initial-Value Convergence Techniques," General Electric Report, Technical Information Series No. 72 CRD095, Schenectady, NY, 1972.
4. Kerr, T. H., "A Simplified Approach to Obtaining the Steady-State Initial Conditions for Linear System Simulations," *Proceedings of the Fifth Annual Pittsburgh Conference on Modeling and Simulation*, 1974.
5. Fagan, J., Kerr, T. H., and Uttam, B., "Poseidon Improvement Studies," TASC Technical Report TR-315-1, Reading, MA, June 1973 (Confidential) for Navy, SP-24 of Strategic Systems Project office (Crystal City, VA).
6. Kerr, T. H., "Poseidon Improvement Studies: Real-Time Failure Detection in the SINS/ESGM," TASC Report TR-418-20, Reading, MA, June 1974 (Confidential) for Navy, Strategic Systems Project Office: SP-24.
7. Kerr, T. H., "A Two Ellipsoid Overlap Test for Real-Time Failure Detection and Isolation by Confidence Regions," *Proceedings of IEEE Conference on Decision and Control*, Phoenix, AZ, December 1974.
8. Kerr, T. H., "A New Multivariate Cramer-Rao Inequality for Parameter Estimation (Application: Input Probing Function Specification)," *Proceedings of IEEE Conference on Decision and Control*, Phoenix, AZ, pp. 97-103, December 1974.
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