

<https://ntrs.nasa.gov/api/citations/19770015864/downloads/19770015864.pdf> (Yes, I was there, as can be verified from the attendance list at the end)

Curtain, Ruth, A Survey of Infinite-Dimensional Filtering, SIAM Review, vol. 17, no. 3, July 1975, pp. 395-411. (Estimation for systems described by PDE's)

Snyder, Donald L., Filtering and Detection for Doubly Stochastic Poisson Processes, IEEE Trans. Information Theory, vol. IT-18, no. 1, Jan. 1972, pp. 91-102.

van Schuppen, J. H., Estimation Theory for Continuous-Time Processes: A Martingale Approach, ERL Memo 405, Univ. of Calif., Berkeley, Sept. 1973.

Varaiya, Pravin P., The Martingale Theory of Jump Processes, IEEE Trans. Automatic Control, vol. AC-20, no. 1, Feb. 1975, pp. 34-42.

---

Kushner, H. J., Dynamical Equations for Optimal Nonlinear Filtering, J. Differential Equations, vol. 3, no. 2, April 1967, pp. 179-190.

Kushner, Harold J., On the Dynamical Equations of Conditional Probability Density Functions with Applications to Optimal Stochastic Control Theory, J. Math. Anal. Applications, vol. 8, no. 2, April 1964, pp. 332-334.

Kushner, H. J., Approximations to Optimal Nonlinear Filters, IEEE Trans. Automatic Control, vol. AC-12, Oct. 1967, pp. 546-556.

Sorenson, H. W., and Alspach, D. L., Gaussian Sum Approximations for Nonlinear Filtering, Proc. 1970 IEEE Symposium on Adaptive Processes, Dec. 1970, pp. 1931-1939.

---

Licht, B. W., Approximations in Optimal Nonlinear Filtering, Rept. SRC 70-1, Case Western Reserve Univ., April 1970.

Rhodes, Ian B., A Tutorial Introduction to Estimation and Filtering, IEEE Trans. Automatic Control, vol. AC-16, no. 6, Dec. 1971, pp. 688-706.

Gilman, Alfred S., and Rhodes, Ian B., Cone-Bounded Nonlinearities and Mean-Square Bounds - Estimation Upper Bound, IEEE Trans. Automatic Control, vol. AC-18, no. 3, June 1973, pp. 260-265.

Rhodes, Ian B., and Gilman, Alfred S., Cone-Bounded Nonlinearities and Mean-Square Bounds - Estimation Lower Bound, IEEE Trans. Automatic Control, vol. AC-20, no. 5, Oct. 1975, pp. 632-642.

Gilman, Alfred S., and Rhodes, Ian B., Cone-Bounded Nonlinearities and Mean-Square Bounds - Quadratic Regulation Bounds, IEEE Trans. Automatic Control, vol. AC-21, no. 4, Aug. 1976, pp. 472-483.

Bucy, Richard S., Hecht, Calvin, and Senne, Kenneth D., An Engineer's Guide to Building Nonlinear Filters, Rept. SRL-TR-72-0004, Frank J. Seiler Research Lab., USAF Academy, May 1972.

---

Bejczy, A. K., and Sridhar, R., Analytical Methods for Performance Evaluation of Nonlinear Filters, J. Math. Anal. Applic., vol. 36, no. 3, Dec. 1971, pp. 477-505.

Bellman, R. E., Kagiwada, H. H., Kalaba, R. E., and Sridhar, R., Invariant Imbedding and Nonlinear Filtering Theory, J. Astron. Sci., vol. 13, May-June 1966, pp. 110-115.

Gustafson, D. E., and Speyer, J. L., Linear Minimum-Variance Filters Applied to Phase-Lock Loops, National Telecommunications Conference, Atlanta, GA, Nov. 26-28, 1973, Conference Record, vol. 2, IEEE Inc., 1973, pp. 26E-1 to 263-8.

---

Montgomery, R. C., and Caglayan, A. K., A Self-Reorganizing Digital Flight Control System for Aircraft, AIAA Paper 74-21, 1974.

Montgomery, R. C., and Price, D. B., Management of Analytical Redundancy in Digital Flight Control Systems for Aircraft, AIAA Paper 74-887, Aug. 1974.

Clark, R. N., Fosth, D. C., and Walton, V. M., Detecting Instrument Malfunctions in Control Systems, IEEE Trans. Aerospace and Electronic Systems, vol. AES-11, no. 4, July 1975, pp. 465-473.

Davis, M. H. A., The Application of Nonlinear Filtering to Fault Detection in Linear Systems, IEEE Trans. on Automatic Control, Vol. AC-20, no. 2, April 1975, pp. 257-259.

Chien, T. T., An Adaptive Technique for a Redundant - Sensor Navigation System, Ph.D. Thesis, Rept. T-566, Draper Lab., Cambridge, MA, Feb. 1972.

Deyst, J. J., A Design Approach to Highly Reliable Flight Control Systems, The Charles Stark Draper Laboratory, Inc., Cambridge, MA, 1975.