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Arthur Krener is a mathematician whose research interests are in developing methods for the control and estimation of nonlinear dynamical systems and stochastic processes. In 1971 he received the PhD in Mathematics from the University of California, Berkeley and joined the faculty of the University of California, Davis.

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### **State observer - Wikipedia**

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As an application of this idea, we treat a problem of stabilization by quantized output feedback. Index Terms Input-to-State Stability, Nonlinear Observer, Measurement Disturbance, Robustness, Quantization

### **1 Nonlinear observers robust to measurement disturbances**

1 State and Unknown Input Observers for Nonlinear Systems with Bounded Exogenous Inputs Ankush Chakrabarty 1, Martin J. Corless2, Gregory T. Buzzard3, Stanisław H. Zak<sup>TM</sup>, Ann E. Rundell4  
Abstractâ€”A systematic design methodology for state observers

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