Control Theory with Applications to Accelerators

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Our talk attempted to serve as an introduction to important concepts of modern control theory; it was tutorial in nature. The following references should be interesting to those who want to expand their understanding of modern control theory concepts.

(1) Franklin, Powell, Naeini, "Feedback Control of Dynamic Systems," Addison Wesley

(2) Franklin, Powell, Workman, "Digital Control of Dynamic Systems," Addison Wesley

(3) Kailath, "Linear Sytems," Prentice Hall

(4) Kailath, "Lectures on Wiener and Kalman Filtering", Springer Verlag

(5) Bertsekas, "Dynamic Prigramming," Prentice Hall

(6) Meditch, "Optimal Linear Filtering and Stochastic Control," Prentice Hall

(7) Hindi, "Control Theory with Application to Accelerators," lecture notes, US Particle Accelerator School, Duke University, January 1994.