Altuf, Kashif; Akhtar, Adeel; Saeed-Ur-Rehman; Iqbal, Javaid
Design, implementation and real-time digital control of a cart-mounted inverted pendulum using Atmel AVR microcontroller. (English) Zbl 1123.93048
WSEAS Trans. Syst. 6, No. 6, 1184-1190 (2007).

MSC:
93B51 Design techniques (robust design, computer-aided design, etc.)
70Q05 Control of mechanical systems
93C40 Adaptive control/observation systems
93D99 Stability of control systems

Keywords:
inverted pendulum; inherently unstable; cart-mounted; LCD and microcontroller