

Abstract Details

Title: Robust Control Design of Dispenser Table using Quantitative Feedback (QFT) Theory Method

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Abstract: Robustness is of crucial importance in control system design because real engineering systems are vulnerable to external disturbance and measurement noise and there are always differences between mathematical models used for design and the actual system. A successfully designed control system should be always able to maintain stability and performance level inspite of uncertainties in system dynamics and/or in working environment to a certain degree. Designing robust controllers involve looking for linear compensators that ensure satisfactory performance for all possible model variations not only for the nominal plant but also for the actual plant. This paper outlines and depicts one of position control applications; it is robust control design of dispenser table using quantitative feedback theory (QFT) method.

Keywords: Quantitative Feed Back (QFT), Dispenser Table.