Abstract

The Conventional control approach may not be suitable for non-linear systems and for the systems with considerable parameter variations over a period of time. On the other hand adaptive control techniques proved to be a convenient tool in dealing with the above said systems. The Model Reference Adaptive Systems (MRAS) with performance specifications given in terms of reference model is tried for Continuous Stirred Tank Reactor. The MIT rule is used as adaptation algorithm and the performances are compared with the conventional PI controller through simulation.

References


**Index Terms**

Computer Science

Circuits and Systems

**Keywords**

Adaptive Control, Conventional PI, MIT rule, MRAS.