NOVEL ALGORITHMS AND TECHNIQUES IN TELECOMMUNICATIONS, AUTOMATION AND INDUSTRIAL ELECTRONICS

2008, 129-133, DOI: 10.1007/978-1-4020-8737-0_23

Urexwift rowardsIG #iru#N to h#G had vV who v#

Laura E. Muñoz, Omar Santos Virgilio López and Marco A. Paz

Download PDF (686.2 KB)

Look Inside

Permissions & Reprints

REFERENCES (11)

EXPORT CITATION ABOUT

Abstract

In this paper we present a robust stability analysis for a time-delay systems, in closed loop with proportional, proportional integral and proportional derivative (P, PI and PD respectively) controllers. The frequency approach is used in order to obtain necessary and sufficient conditions for the robust stability of the characteristic equation in closed loop and to tune the controller. The time domain analysis is used to obtain sufficient stability conditions for the system in closed loop with the PI controller, with nonlinear uncertainties. Also, the results are applied to a binary column distillation and coupled tanks, process commonly used in industry applications.

Fulltext Preview

Robust Control PID for Time Delays Systems

in this paper we present a reluent stability analysis for a system, in closed laws with reporterizing, representant of proportional derivative D, P and P are reporterized at P and P are reporterized and P and P are reporterized at P and P and P are reporterized at P and P are reporterized at P and P are reporterized at P and P are P and P are reporterized at P and P are

norm distillation and coupled tanks. So, we according with the $D_k = 0$ to the most common ant operation in the distinct (S). It is need known that dynamic varieties were always as that dynamic varieties $S_k = 0$. (2) where $S_k = 0$ to the transport of th

true industries. Gallows: in Section II the problem is presented. The frequency domain analysis is section II. Below shiftly awing Limer Maries (ALM) approach is given in Section IV. Section V. Sec

winner Insolini form $\frac{Y_{ij}}{V_{ij}} = \frac{X_{ij}^{-1}}{V_{ij}^{-1}} = \frac{X_{ij}^{-1}}{V_{ij}^{$

Engineering Management Vwxg|#ru\rxw\$kg根qdqh辩qjlqhhulqj#dqdjhp hqwHw枢 doghq1

Share this Item

email

AdChoices ▷

citeulike

Connotea

Delicious