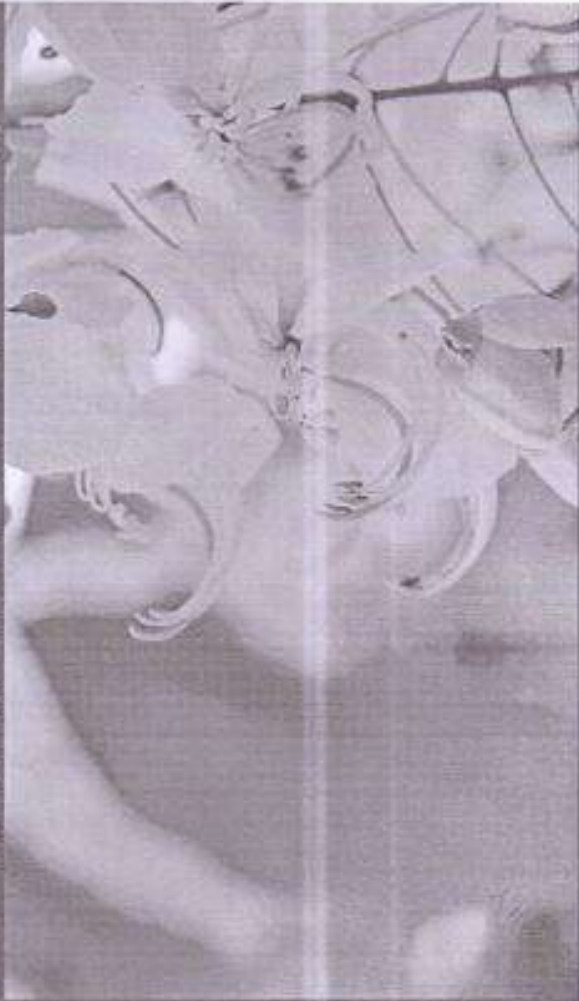


**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference**

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
<b>2019-20</b>										
1	Prof. Kalpesh M. Mahajan	Relay Feedback Tuning of PID Controller					2020	978-3-04007-4	KCES' College of Engoneering & Information technology, Jalgaon	Lap Lambert Academic Publishing

In recent years, relay feedback method has found a new lease of life in the automatic tuning of PID controllers and in the initialization of other sophisticated adaptive controllers. This tuner is based on the approximate estimation of the critical point on the process frequency response from relay oscillations. A continuous cycling of the controlled variable is generated from a relay feedback experiment and the important process information, ultimate gain and ultimate period can be extracted directly from the experiment. This is a very efficient way, i.e., a one shot solution, to generate sustained oscillations. The success of this auto tuner is due to the fact that the identification and tuning mechanism is simple so that process operators understand how it works. Moreover, it works well even in slow and non-linear processes.



Amar Khalore  
Kalpesh Mahajan

# Relay Feedback Tuning of PID Controller

An approach towards relay tuning

I am Amar Khalore, working as an Assistant Professor in one of the engineering colleges as well as doing my research work in the field of relay tuning.



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