

短文

PID调节器自整定的PM法及其公式推导

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摘要

关键词 [PID调节器](#) [Z-N法](#) [Astrom法](#) [PM法](#)

分类号

Self-Tuning PM Method and its Formulas Deduction in PID Regulators

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Abstract

In this paper a new method (PM method) for self-tuning PID regulation is proposed. This method is based on phase margin. Comparing PM method with critical proportion method and ideal relay characteristic method, result show that PM method is much better. The method has been applied to an industrial project called "Intelligent temperature controller of stripping plate for glass fiber". The performance is satisfactory.

Key words [PID regulators](#) [Z-N method](#) [Astrom method](#) [PM method](#)

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