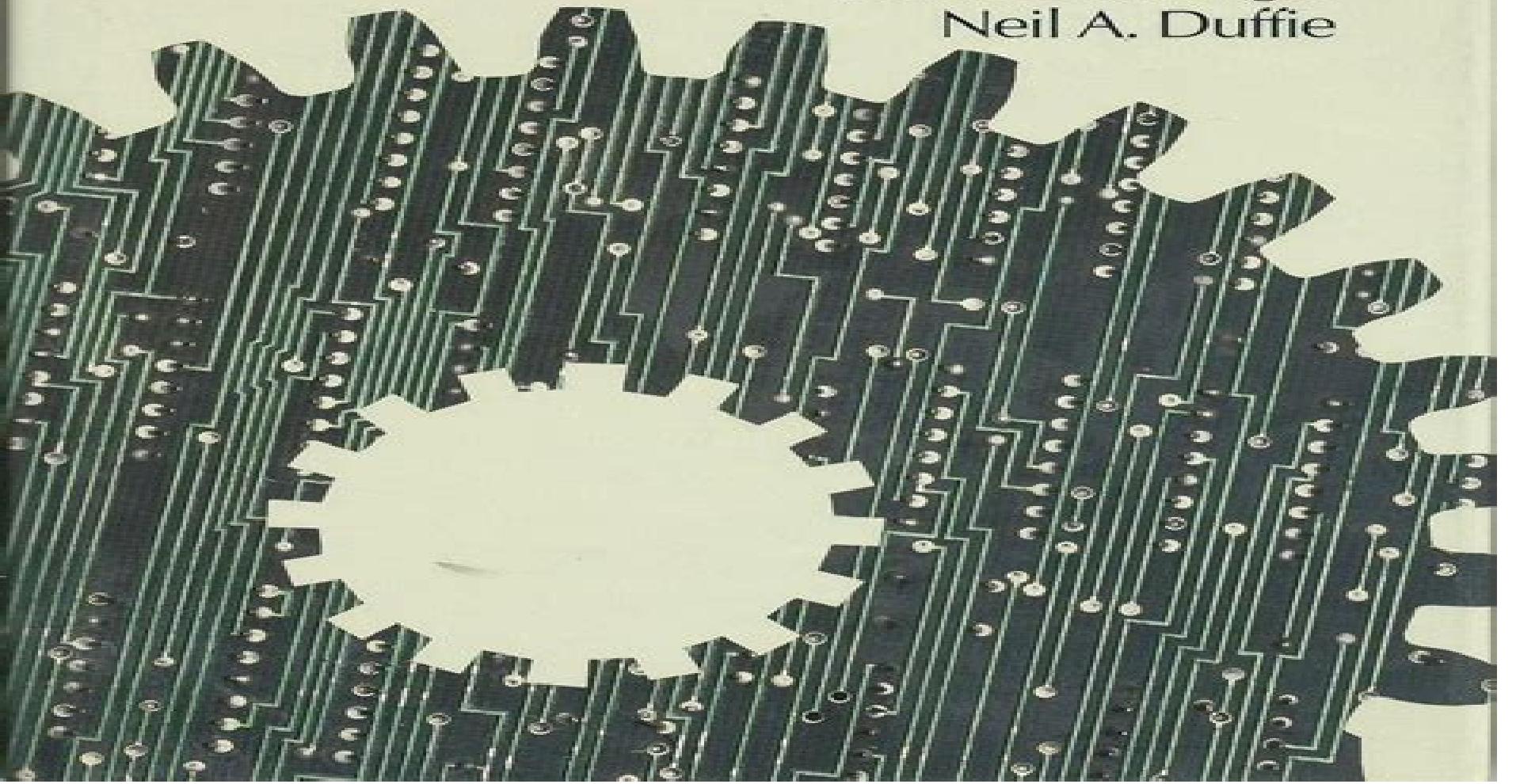


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John G. Bollinger
Neil A. Duffie



Computer Control Of Machines And Processes

Patrick O.J. Kaltjob

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John G. Bollinger,Neil A. Duffie,1989-01-01

Mechatronic Systems and Process Automation Patrick O.J. Kaltjob,2018-03-09

The book discusses the concept of process automation and mechatronic system design while offering a unified approach and methodology for the modeling analysis automation and control networking monitoring and sensing of various machines and processes from single electrical driven machines to large scale industrial process operations This step by step guide covers design applications from various engineering disciplines mechanical chemical electrical computer biomedical through real life mechatronics problems and industrial automation case studies with topics such as manufacturing power grid cement production wind generator oil refining incubator etc Provides step by step procedures for the modeling analysis control and automation networking monitoring and sensing of single electrical driven machines to large scale industrial process operations Presents model based theory and practice guidelines for mechatronics system and process automation design Includes worked examples in every chapter and numerous end of chapter real life exercises problems and case studies

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