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| Nota di contenuto | Cover -- Title Page -- Copyright Page -- Contents -- Preface -- About the Companion Website -- Chapter 1 Introduction -- 1.1 The Purpose of Process Control -- 1.2 Introduction to Distillation -- 1.3 Distillation Process Control -- 1.4 A Real-Time Approach to Distillation Process Control Education -- Tutorial and Self Study Questions -- References |

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Sommario/riassunto

"The book is a practical text incorporating hands-on or active learning using process simulation. The topics and their treatment are relevant to today's engineer providing them with the fundamental knowledge and tools to apply to modern distillation control. Unlike other texts that take a Laplace Transform or state-space-based approach this text presents a more balanced real-time approach with a good mix of fundamentals and practical insights. The text includes numerous exercises including up to date process simulation exercises. Finally, the process simulation exercises are designed to be simulator agnostic so that they can be performed on the process simulator locally available. Topics include An Introduction to the Real-Time Approach to Distillation Control, Distillation Control Hardware, Basic Distillation Control, Distillation Composition Control, Refinery Versus Chemical Plant Distillation Control, Distillation Control Tuning, Fine Chemical Distillation Control, Advanced Regulatory Control (ARC), Model Predictive Control (MPC), and Plant-Wide Control and Distillation"--
