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His current research interests include respiratory and cardiac autonomic control during sleep, biomedical signal processing, and physiological modeling. Dr. Khoo was the recipient of a National Institutes of Health Research Career Development Award from 1990 to 1996 and the American Lung Association Career Investigator Award from 1991 to 1996.

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• An engineering control system is designed to accomplish a given task - Physiological systems are versatile and capable of serving different functions • Engineering control has components that are generally known to the designer - Physiological control systems usually consists of components that are unknown and difficult to analyze

Analysis & Design of Physiological Control systems

PHYSIOLOGICAL CONTROL SYSTEMS Analysis, Simulation, andEstimation Michael C. K. Khoo Biomedical Engineering Department University ofSouthern California IEEE Engineering in Medicine and Biology Society, Sponsor IEEE Press Series on Biomedical Engineering

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1.4 Physiological Control Systems Analysis: A Simple Example, 6. 1.5 Differences Between Engineering and Physiological Control Systems, 8. 1.6 The Science (and Art) of Modeling, 11. 1.7 “Systems Physiology” Versus “Systems Biology”, 12. Problems, 13. Bibliography, 15. 2 Mathematical Modeling 17. 2.1 Generalized System Properties, 17

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