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Application of Design of Experiments to Process Development

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completely randomized design (CRD); i.e., assuming that the 48 runs were completely randomized. Table 2.

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In the later chapters, we have included details of a number of published experiments. The outlines of many other student and published experiments appear as exercises at the ends of the chapters. Complementing the practical aspects of the design are the statistical aspects of the anal ysis.

Rate Monotonic Analysis for Real-Time Systems

1.3.3 Major Aspects of Experimental Design 8 2. THE SCIENTIFIC METHOD AND CONSERVATION RESEARCH 11 2.1 STEPS IN THE SCIENTIFIC METHOD 11 2.2 RESEARCH QUESTIONS 12 2.3 HYPOTHESES 13 2.3.1 Contingency 14 2.3.2 Multiplicity 15 2.3.3 Two Cautionary Tales 15 2.4 EXPERIMENTS AND OBSERVATIONS 16 2.5 ANAL YSIS AND INTE RP RET A TION 16

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input/output paradigms [7]. Finally, we also have performed a number of design and anal-ysis experiments to test the viability of the theory [2, 13]. Together, these

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