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9 Measuring Frequency Response; 9.1 Overview; 9.2 Measuring in Isolation; 9.3 In-Loop Measurement; 9.4 Real-World Issues; 9.5 Software; 9.6 Other Methods; 10 Software Implications; 10.1 Data Types; 10.2 Quantization; 10.3 Overflow; 10.4 Resource Issues; 10.5 Implementation Examples; 10.6 Conclusion; 11 Afterword; 11.1 Tools; 11.2 Bibliography; back matter; About the Author; Index; CD-ROM License Agreement

Sommario/riassunto

Many embedded engineers and programmers who need to implement basic process or motion control as part of a product design do not have formal training or experience in control system theory. Although some projects require advanced and very sophisticated control systems expertise, the majority of embedded control problems can be solved without resorting to heavy math and complicated control theory. However, existing texts on the subject are highly mathematical and theoretical and do not offer practical examples for embedded designers. This book is different; it presents mathematical background

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