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Microwave Engineers -- Contents -- Preface -- Acknowledgments
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Sommario/riassunto

This book, 'Relativistic Field Theory for Microwave Engineers' by Matthew A. Morgan, provides a comprehensive exploration of the application of relativistic field theory concepts to microwave engineering. It delves into classical and modern approaches in electromagnetism, the mathematical formulation of Maxwell's equations, and the implications of relativistic effects in engineering contexts. The text is aimed at professionals and students in microwave engineering and related fields, offering insights into the theoretical underpinnings and practical implications of field theory. The book covers topics such as reference frames, waves in spacetime, covariant formulations, and interactions with matter, using a mix of theoretical exploration and practical application to enhance understanding.