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Nota di contenuto	FREQUENCY SELECTIVE SURFACES; CONTENTS; Foreword I; Foreword II; Preface; Acknowledgments; Symbols and Definitions; 1 General Overview; 1.1 What is a Periodic Surface?; 1.2 Passive Versus Active Arrays; 1.3 Dipole Versus Slot Arrays; 1.4 Complementary Arrays; 1.5 A Little History with Physical Insight; 1.6 How Do We "Shape" the Resonant Curve?; 1.6.1 Cascading Periodic Surfaces without Dielectrics; 1.6.2 Single Periodic Surface with Dielectric Slabs; 1.6.3 Real Hybrid Periodic Structures; 1.7 Application of Periodic Structures; 1.7.1 Hybrid Radomes; 1.7.2 Band-Stop Filters 1.7.3 Dichroic Subreflectors 1.7.4 Dichroic Main Reflectors; 1.7.5 Circuit Analog Absorbers; 1.7.6 Meanderline Polarizers; 1.8 Common Misconceptions; 1.9 Grating Lobes; 1.10 Problems; 2 Element Types: A Comparison; 2.1 Introduction; 2.2 Group 1: Center Connected or N-Poles; 2.2.1 "Gangbuster" Surface; 2.2.2 Unloaded Tripole Array; 2.2.3 Anchor Element; 2.2.4 Jerusalem Cross; 2.2.5 Square Spiral Element; 2.3 Group 2: Loop Types; 2.3.1 Four-legged Loaded Element; 2.3.2 Three-legged Loaded Element; 2.3.3 Hexagon Element; 2.4 Group 3:

Solid Interior Types; 2.5 Group 4: Combination Elements

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Sommario/riassunto

"...Ben has been the world-wide guru of this technology, providing support to applications of all types. His genius lies in handling the extremely complex mathematics, while at the same time seeing the practical matters involved in applying the results. As this book clearly shows, Ben is able to relate to novices interested in using frequency selective surfaces and to explain technical details in an understandable way, liberally spiced with his special brand of humor... Ben Munk has written a book that represents the epitome of practical understanding of Frequency Selective Surfaces. He deser
