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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Foreword; Preface; 1 Introduction; 2 The system and the transmitter; 3 Radar receiver; 4 Echo strength in free space; 5 Environmental effects on propagation; 6 Multipath of point targets; 7 Passive point targets; 8 Active targets; 9 Multipath factor of extended targets; 10 Extended target reflections; ships and coasts; 11 Noise, clutter and interference; 12 Detection; 13 Accuracy of position and track; 14 Spreadsheet calculations; 15 Worked examples; 16 Future possibilities; A1 Glossary; A2 Statistics details; Index
Sommario/riassunto	Radar is a legal necessity for the safe navigation of merchant ships and, within vessel traffic services, is indispensable to the operation of major ports and harbours. Target Detection by Marine Radar concentrates solely on civil marine operations and explains how civil surveillance radars detect their targets. There are numerous diagrams and worked examples to help the reader understand the principles underlying radar operation and to quantify the importance of factors such as technical features of specific equipment, the weather, and the ability of the operator. The accuracy with which targ