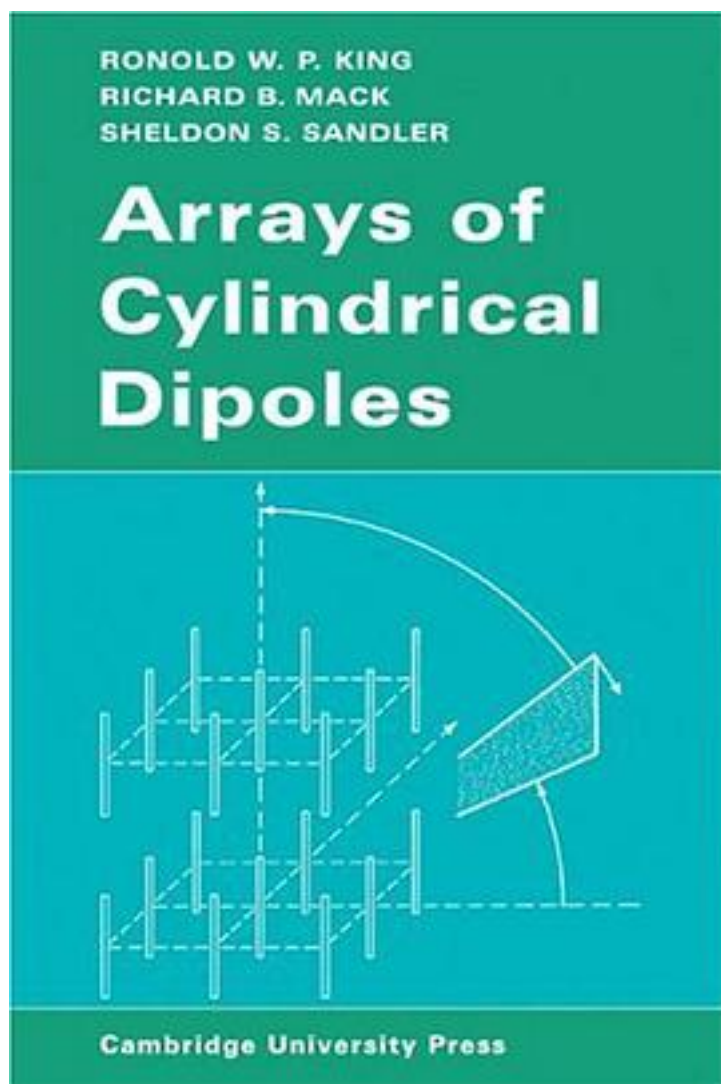


Arrays of Cylindrical Dipoles



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著者:King, R.W.P.

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In this book, first published in 1968, King and his co-authors develop a theory of the behaviour of arrays of rod-shaped antennas such as are used to achieve directive transmission and reception of radio waves for use in communication between points on the earth, between the earth and a space vehicle, or in radio astronomy. They use quantitative analysis of arrays of practical types and wide range of lengths over a wide frequency band, which makes possible the design of new arrays with desired characteristics. After the introductory chapter reviewing the foundations and conventions antenna theory, each subsequent chapter takes into account the authors own particular theories on isolated antennas, two-coupled antennas, N-element circular array, N-element curtain array of identical elements, to arrays containing elements of different lengths and finally to planar and three-dimensional arrays. The final chapter is concerned with problems of measurement and the correlation of theory with experiment.

作者介绍:

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