

Contents

1 The Metric System	5 Exponential Equations
1.1 Metric Prefixes — The Language of Radio	6 Complex Numbers
1.2 Converting Between Types of Units	6.1 Working With Complex Numbers
2 Numbers and Notation	7 Vectors and Phasors
2.1 Accuracy, Precision, and Resolution	8 Boolean Algebra
2.2 Accuracy and Significant Figures	9 Tutorials on Mathematics
2.3 Scientific and Engineering Notation	9.1 Basic Numbers and Formulas
2.4 Rate of Change	9.2 Metric System and Conversion of Units
3 Decibels	9.3 Fractions
3.1 Calculating Decibels from Ratios	9.4 Graphs
3.2 Calculating Ratios and Percentages from Decibels	9.5 Algebra and Trigonometry
3.3 Using the <i>Windows</i> Scientific Calculator	9.6 Complex Numbers
3.4 Decibel Calculation with Special References	9.7 Quadrature Signals
4 Coordinate Systems	
4.1 Rectangular and Polar Coordinates	
4.2 Coordinates for Radiation Patterns	
4.3 Three-Dimensional Coordinate Systems	