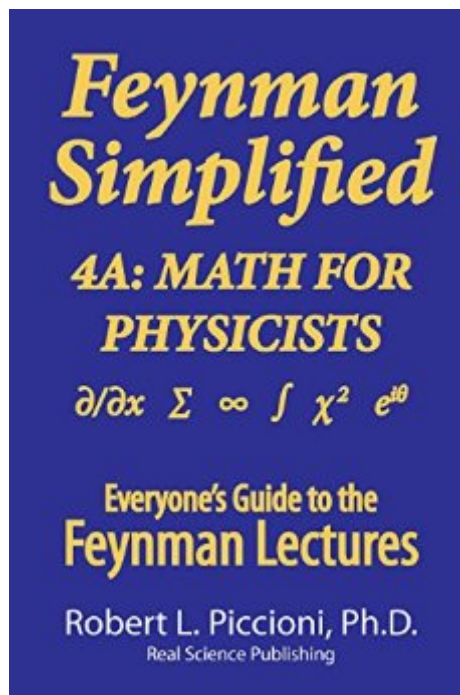


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Feynman Lectures Simplified 4A: Math For Physicists (Everyone's Guide To The Feynman Lectures On Physics Book 12)



Synopsis

The major concepts and discoveries of science are comprehensible to everyone with keen interest and patience. But to really participate in fundamental science, particularly in physics, one must master a lot of math. Math is what prevents most science enthusiasts from becoming scientists. This book, Feynman Simplified 4A: Math for Physicists, will help those striving to master the mathematics of physics. It explains step-by-step all the mathematics that most scientists will ever need. From the mundane to the esoteric, this eBook explores it all, from the tensor calculus of general relativity to how to analyze data. The topics we explore include: * Trigonometric Functions & Identities * Rectilinear, Polar, Cylindrical & Spherical Coordinates * Real & Complex Numbers; Scientific Notation * Quadratic & Polynomial Equations & Solutions * Dimensional Analysis & Approximation Methods * Finite & Infinite Series * Zeno's Paradox & Mortgage Payments * Exponentials, Logarithms & Hyperbolic Functions * Permutations, Combinations & Binomial Coefficients * Discrete & Continuous Probabilities * Poisson, Gaussian, and Chi-Squared Distributions * Rotation & Velocity Transformations * Vector Algebra, Identities & Theorems * Differential, Integral & Variational Calculus * Differential Equations * Tensors & Matrices * Numerical Integration & Data Fitting * Transforms & Fourier Series * Monte Carlo & Advanced Data Analysis

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Customer Reviews

All the college math I forgot.

This is really meant for those with a Physics background whom haven't practiced in a while. It gets you back really fast. The cheat sheet at the end is golden.

It like a mini course in physics. Author skips steps here and there in proofs. Could use a few more examples / solutions for practice.

Perfect companion to the great man's work.

Clear, simple, concise. Very helpful.

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