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Lectures On Ergodic Theory

LECTURES ON ERGODIC THEORY

Paul R. Halmos



Synopsis

2013 Reprint of 1956 Edition. Full facsimile of the original edition, not reproduced with Optical Recognition Software. Ergodic theory is a branch of mathematics that studies dynamical systems with an invariant measure and related problems. Its initial development was motivated by problems of statistical physics. A central concern of ergodic theory is the behavior of a dynamical system when it is allowed to run for a long time. Paul Richard Halmos (1916 - 2006) was a Hungarian-born American mathematician who made fundamental advances in the areas of probability theory, statistics, operator theory, ergodic theory, and functional analysis (in particular, Hilbert spaces). He was also recognized as a great mathematical expositor.

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Customer Reviews

I am a retired mathematician and was curious as to what ergodic theory was about. I bought several books on the subject and found Halmos' book by far the the most helpful. He leads one into the subject in a straightforward manner avoiding the use of a tiresome complicated system of terminology and symbols. He only assumes a knowledge of analysis in the reader and in other parts of mathematics either enunciates the result to be used or gives a sufficient reference to it. His exposition is succinct and well phrased, and he gives many examples to illustrate the conceptions he introduces.

A classic text in ergodic theory, written by a well known mathematician who always put care in writing clearly and succinctly. Need not say more.

Great Book!

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