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Nota di contenuto	Application of central limit theorems to turbulence problems -- Probability limit theorems and some questions in fluid mechanics 1) -- Statistical problems connected with asymptotic solutions of the one-dimensional nonlinear diffusion equation -- Burger's equation: Generalizations and solutions -- A closure hypothesis for the hierarchy of equations for turbulent probability distribution functions -- Singular perturbation in some problems of Statistical Mechanics -- The bounding theory of turbulence and its physical significance in the case of turbulent couette flow -- Numerical simulation of turbulence -- Comparison of some approximations for isotropic turbulence -- Investigating the predictability of turbulent motion -- Use of C-M-W representations for nonlinear random process applications -- Homogeneous chaos expansions -- Non-analytic character of the shear-tensor distribution function in incompressible turbulence -- Dynamo instability and feedback in a stochastically driven system -- The statistical mechanics of the guiding centre plasma -- Strange attractors as a mathematical explanation of turbulence -- Random geometric problems suggested by turbulence -- Simple and compound line growth in random walks -- The mixing of scalar stripes by an isotropic ensemble of single velocity modes -- Possible refinement of the lognormal hypothesis concerning the distribution of energy

dissipation in intermittent turbulence -- Some observed properties of atmospheric turbulence -- Some measurements of the fine structure of large reynolds number turbulence -- Statistical self-similarity and inertial subrange turbulence -- Observations of the variability of dissipation rates of turbulent velocity and temperature fields -- Probability distributions in turbulent fields -- Turbulence in a stratified ocean -- Spectra changing over narrow bands -- Some recent advances in time series analysis.
