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Sommario/riassunto

The theory of partial differential equations of mathematical physics has been one of the most important fields of study in applied mathematics. This is essentially due to the frequent occurrence of partial differential equations in many branches of natural sciences and engineering. The present lecture notes have been written for the purpose of presenting an approach based mainly on the mathematical problems and their related solutions. The primary concern, therefore, is not with the general theory, but to provide students with the fundamental concepts, the underlying principles, and the techniques and methods of solution of partial differential equations of mathematical physics. One of the authors main goals is to present a fairly elementary and complete introduction to this subject which is suitable for the first reading and accessible for students of different specialities.
