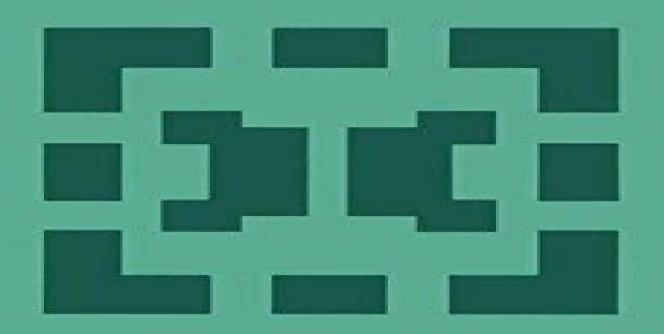
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unsatisfactory choice Then the analysis should be repeated employing other functional spaces Elliptical problems can serve as an example of classical problems which are analyzed by this approach Their investigations brought a number of new notions and results in the theory of Sobolev spaces W D which in turn enabled us to create a sufficiently complete theory of solvability of elliptical equations Nowadays the mathematical theory of radiative transfer problems and kinetic equations is an extensive area of modern mathematical physics It has various applications in astrophysics the theory of nuclear reactors geophysics the theory of chemical processes semiconductor theory fluid mechanics etc 25 29 31 39 40 47 52 78 83 94 98 120 124 125 135 146 **Nuclear Science Abstracts**, 1974 *Books in Print*, 1991 *NBS Special Publication*, 1965

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