

Chapter 1

## INTRODUCTION



retrospective inverse problem of heat transfer) and the Cauchy problem for elliptic equations. These problems belong to the class of conditionally well posed problems. The continuous dependence of a solution



marked. Two-level difference schemes with weights are examined in details. A difference scheme is called strongly stable [Samarskii, 1989] provided that the scheme is stable with respect to the initial data, the right





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