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Nota di contenuto	Intro -- Preface -- Contents -- Sobolev Spaces and Elliptic Boundary Value Problems -- 1 Sobolev Spaces, Inequalities, Dirichlet, and Neumann Problems for the Laplacian -- 1.1 Sobolev Spaces -- 1.2 First Properties -- 1.3 Traces -- 1.4 Interpolation -- 1.5 Transposition -- 1.6 Inequalities -- 1.7 Weak Solutions -- 1.8 Strong Solutions -- 1.9 Very Weak Solutions -- 1.10 Solutions in Hs(), with 0 &lt -- s &lt -- 2 -- 2 The Stokes Problem with Various Boundary Conditions -- 2.1 The Problem (S) with Dirichlet Boundary Condition -- 2.2 The Stokes Problem with Navier Type Boundary Condition -- 2.3 The Stokes Problem with Navier Boundary Condition -- References -- Survey on the Decay of the Local Energy for the Solutions of the Nonlinear Wave Equation -- 1 Introduction and Preliminaries -- 2 Scattering for the Subcritical and Critical Wave Equation -- 2.1 The Subcritical Case -- 2.1.1 Prisized Morawetz Estimate -- 2.1.2 Global Time Strichartz Norms -- 2.1.3 The Proof of Theorem 2.1 -- 2.2 The Critical Case --