1. Record Nr. UNINA9910146557503321 Autore Kozlov Vladimir <1954-> **Titolo** Elliptic boundary value problems in domains with point singularities // V.A. Kozlov, V.G. Mazya, J. Rossmann Pubbl/distr/stampa Providence, Rhode Island: .: American Mathematical Society, . [1997] ©1997 Descrizione fisica 1 online resource (426 p.) Mathematical surveys and monographs, , 0076-5376; ; volume 52 Collana Disciplina 515/.353 Soggetti Differential equations, Elliptic Boundary value problems Singularities (Mathematics) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Includes bibliographical references (pages 397-407) and index. Nota di bibliografia ""Contents"": ""Introduction"": ""Part 1. Elliptic boundary value problems Nota di contenuto in domains with smooth boundary""; ""Chapter 1. Boundary value problems for ordinary differential equations on the half-axis"; ""1.1. The boundary value problem and its formally adjoint""; ""1.2. Solvability of the boundary value problem on the half-axis""; ""1.3. Solvability of regular problems on the half-axis in Sobolev spaces of negative order""; ""1.4. Properties of the operator adjoint to the operator of the boundary value problem""; ""Chapter 2. Elliptic boundary value problems in the half-space"" ""2.1. Periodic solutions of partial differential equations""""2.2. Solvability of elliptic boundary value problems in the half-space""; ""2.3. Solvability of elliptic boundary value problems in the half-space in Sobolev spaces of arbitrary integer order""; ""Chapter 3. Elliptic boundary value problems in smooth domains"; ""3.1. The boundary value problem and its formally adjoint""; ""3.2. An a priori estimate for the solution""; ""3.3. The adjoint operator""; ""3.4. Solvability of elliptic boundary value problems in smooth domains""; ""3.5. The Green function of the boundary value problem""

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Boundary value problems for elliptic systems of differential equations""; ""4.3. Boundary value problems in the variational form""; ""4.4. Further results""; ""4.5. Notes""; ""Part 2. Elliptic problems in domains with conical points""; ""Chapter 5. Elliptic boundary value problems in an infinite cylinder""

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