

Sobolev Spaces

[DOWNLOAD HERE](#)

Introduction.- 1 .Basic Properties of Sobolev Spaces.- 2 .Inequalities for Functions Vanishing at the Boundary.- 3.Conductor and Capacitary Inequalities with Applications to Sobolev-type Embeddings.- 4.Generalizations for Functions on Manifolds and Topological Spaces.- 5.Integrability of Functions in the Space $L^{1/1}()$.- 6.Integrability of Functions in the Space $L^{1/p}()$.- 7.Continuity and Boundedness of Functions in Sobolev Spaces.- 8.Localization Moduli of Sobolev Embeddings for General Domains.- 9.Space of Functions of Bounded Variation.- 10.Certain Function Spaces, Capacities and Potentials.- 11 Capacitary and Trace Inequalities for Functions in R^n with Derivatives of an Arbitrary Order.-12.Pointwise Interpolation Inequalities for Derivatives and Potentials.- 13.A Variant of Capacity.- 14.-Integral Inequality for Functions on a Cube.- 15.Embedding of the Space $L^{l/p}()$ into Other Function Spaces.- 16.Embedding $L^{l/p}() \subset W^{m/r}()$.-17.Approximation in Weighted Sobolev Spaces.-18.Spectrum of the Schrödinger operator and the Dirichlet Laplacian.- References.- List of Symbols.- Subject Index.- Author Index. EAN/ISBN : 9783642155642 Publisher(s): Springer, Berlin Format: ePub/PDF Author(s): Maz'ya, Vladimir

[DOWNLOAD HERE](#)

Similar manuals:

[Sobolev Spaces](#)