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Nota di contenuto	""Contents""; ""Preface""; ""Fluctuation-Based Proof of the Stability of AC Spectra of Random Operators on Thee Graphs""; ""Metriized Graphs, Laplacian Operators, and Electrical Networks""; ""Form Factor Expansion for Large Graphs: a Diagrammatic Approach""; ""The Spectral Form Factor for Quantum Graphs with Spin-Orbit Coupling""; ""Linear Network Models Related to Blood Flow""; ""Localization on Avron-Exner-Last Graphs: I. Local Perturbations""; ""Weighted Laplacians and the Sigma Function of a Graph""; ""Approximations of Permutation-Symmetric Vertex Couplings in Quantum Graphs"" ""What Are Zeta Functions of Graphs and What Are They Good For?"" ""Fluctuation Statistics For Quantum Star Graphs""; ""Laplacians on Metric Graphs: Eigenvalues, Resolvents and Semigroups""; ""Transition From a Network of Thin Fibers to the Quantum Graph: an Explicitly Solvable Model""; ""On the Limiting Absorption Principle and Spectra of Quantum Graphs""; ""Quantum Mechanics, Superconductivity and Fluid Flow in Narrow Networks""; ""A Relation Between the Bond Scattering Matrix and the Spectral Counting Function for Quantum Graphs"" ""The Quantum Graph as a Limit of a Network of Physical Wires"" ""On the Trace Formula for Quantum Star Graphs""

