



ON THE INVERSE PROBLEM FOR MAGNETIC SCHRÖDINGER OPERATORS ON GRAPHS

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The inverse spectral problem for Schrödinger operators on metric graphs is investigated in the presence of a magnetic field. Graphs without loops and with Euler characteristic zero are considered. It is shown that the knowledge of the Titchmarsh-Weyl (matrix) function for several values of the magnetic field allows one to reconstruct the graph and potential on it provided a certain additional resonant condition is satisfied.