MAGNETIC RESONANCES AND MEROMORPHIC FAMILIES OF NON-SELF-ADJOINT OPERATORS

V. BRUNEAU

The study of the asymptotic distribution of resonances near Landau Levels for perturbations of the 3D Schrödinger operator leads to consider meromorphic operator valued functions. Thanks to a result (obtained with J.F. Bony and G. Raikov) for meromorphic operator valued functions having a self-adjoint residue, we are able to study the distribution of the magnetic resonances for perturbations of definite sign. In order to treat more general perturbations, an open problem is the study of the charateristics values near a pole with non-self-adjoint residue.