

AN INVESTIGATION OF EXTERNAL NOISES IN QUANTUM COMPUTATIONS

M. POP¹ S. DUMITRU¹

***Abstract:** The external noises in quantum computing systems come from the influences of environment. A description of these influences is made in a way which is relatively flexible to a theoretical approach. For a NMR quantum computing scheme it is investigated the possible role of rotations in circumventing the external noises.*

***Key words:** quantum computers, quantum noise, qubits.*

1

* Transilvania University of Brasov.