

Study of anomalous forces induced by superconductors

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In this work we present a theoretical explanation for the possible anomalous forces induced by disks, toroids and rings superconductors based on the concept of momentum variation exchanged between cooper pairs and outer particles regarding the preexisting condition of generalized quantum entanglement. Considering the immense amount of particles involved in the phenomenon as the myriad of Cooper pairs, we use classical quantities such as electric current as macroscopic observable in our calculations given that previous studies have indicated its use even in entangled quantum system. We here analyzed the behavior of superconductors and compared the experimental results early obtained in the literature with our theoretical proposal. We found that they agreed with very good accuracy. The experiments indicate that the anomalous forces are still weak, but our study can guide some physical enhancements that could be implemented in order to obtain in the future possible viable technological applications.

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