Abstract Submitted
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Neutrosophic Quantum Computer FLORENTIN SMARANDACHE,
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trosophic quantum computer to be built in the future, which is an extension of the
classical theoretical quantum computer, into which the indeterminacy is inserted.
Neutrosophic quantum communication is facilitated by the neutrosophic polariza-
tion that favors the use the neutrosophic superposition and neutrosophic entangle-
ment. The neutrosophic superposition can be linear or non-linear. While into the
classical presumptive quantum computers there are employed only the coherent su-
perpositions of two states (*0* and *1*), in the neutrosophic quantum computers one
supposes the possibilities of using *coherent superpositions amongst three states (0,*
1, and I = indeterminacy) and one explores the possibility of using the *decoherent*
superpositions as well.

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