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Abstract: Neutrosophic approaches in logics and computing have been proposed by Smarandache and interesting developments were obtained by many researchers around the world. Not only algebraic structures, topology, statistics, and logics already benefited by the new interpretation, but also many fields of computer science: image analysis, neutrosophic databases, neutrosophic cognitive maps etc. This paper describes some neutrosophic computational models in order to identify a set of requirements for software implementation.

Keywords: neutrosophic set, neutrosophic logic, neutrosophic relation

AMS Classification: Primary 68T99; Secondary 03H99.