

BISEMIAUTOMATON AND BIAUTOMATON

M. Selvarani
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In this dissertation we have used the concepts of bialgebraic structures given by W.B.Vasantha Kandasamy in the book on “Bialgebraic structures and Smarandache Bialgebraic Structures”, 2003, American Research Press. This dissertation studies the notion of bisemiautomaton and biautomaton. It is important to mention that W.B. Vasantha Kandasamy has given exclusively the application of free bisemigroup in Biautomaton and Bisemiautomaton. Biautomaton and Bisemiautomaton can simultaneously carry out the work of a pair of machines there by time is saved.

There can only be 6 fundamental biautomatons. The properties like subbiautomaton, homomorphism of biautomaton are recalled. Examples to this effect are given. For more refer

1. W.B.Vasantha Kandasamy, *Bialgebraic Structures and Smarandache Bialgebraic Structure*, (2003), American Research Press.
2. W.B.Vasantha Kandasamy, *Bisemigroups and its applications*, J. of Bihar Math. Soc., Vol. 23, (2003), 35-44.