

List of Tables

4.1	Failure classification of system	42
4.2	Transition probabilities between activities of HMSC	51
4.3	Reliabilities of components of BMSC	51
4.4	Operational profile of 1 year for valve operation logic	65
5.1	Failures in NPP	73
5.2	Components of EU	75
5.3	EU places and transitions	93
5.4	EU transitions with delay	93
5.5	Throughput of the transitions	94
5.6	Markings of EU GSPN model	94
5.7	Command Messages and acknowledgement messages of Communication .	95
5.8	Operational profile Data	96
5.9	Accuracy of predicted unreliability figure of communication module for given seven stations	96
6.1	Statistical Parameters of S_A , S_B and W	106
6.2	Failure Probability of components A and B as a function of system C . .	107