

TABLES

Table 1: Tandem Computers dataset

Releases	Testing Time (in weeks)	Cumulative no. of faults
1	20	100
2	19	120
3	12	60
4	19	42

Table 2: Estimated Parameters

Models	Releases	a	b_1	b_2	α	σ	θ
SRGM 1	Release 1	103.382	0.081	0.209	0.316	0.0012	-
	Release 2	123.436	0.0698	0.163	0.512	0.0347	-
	Release 3	65.099	0.054	0.189	0.001	0.0223	-
	Release 4	44.7	0.0472	0.091	0.001	0.014	-
SRGM 2	Release 1	102.384	0.217	0.231	0.412	0.00018	-
	Release 2	122.901	0.188	0.199	0.048	0.0231	-
	Release 3	64.365	0.172	0.183	0.001	0.001	-
	Release 4	42.739	0.164	0.162	0.013	0.017	-
SRGM 3	Release 1	103.741	0.139	0.127	0.537	0.002	1.349
	Release 2	121.93	0.412	0.489	0.0683	0.0199	1.624
	Release 3	62.421	0.248	0.241	0.092	0.083	2.103
	Release 4	40.784	0.153	0.207	0.011	0.009	2.321

Table 3: Performance Criteria Values

Models	Releases	R^2	MSE	MAE	Bias	Variance	RMPSE
SRGM 1	Release 1	0.996	19.065	3.6975	3.1525	7.173029	7.83515
	Release 2	0.998	14.657	2.9936	2.415	5.821	6.3010
	Release 3	0.989	12.767	2.898	2.251	5.524	5.965
	Release 4	0.997	4.8274	1.8168	1.555	3.5721	3.89627
SRGM 2	Release 1	0.995	8.83413	2.583	1.847	4.4802	4.8459
	Release 2	0.995	10.178	2.1105	0.912	3.658	3.7702
	Release 3	0.998	8.34573	2.53	2.22	5.023	5.49
	Release 4	0.998	2.355	1.18978	-0.95	2.3118	2.44993
SRGM 3	Release 1	0.998	4.74613	1.514	0.247	2.27778	2.2911
	Release 2	0.997	9.9975	2.3221	-0.6521	3.467	3.5343
	Release 3	0.999	4.6515	1.7166	0.6683	2.556	2.642
	Release 4	0.998	1.46713	0.95473	-0.262	1.3289	1.354