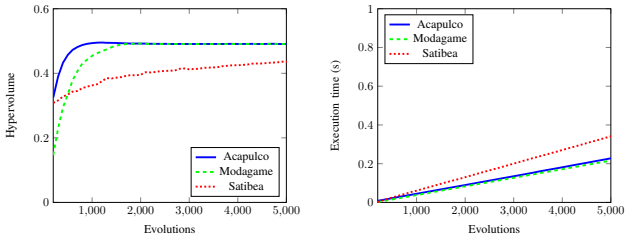
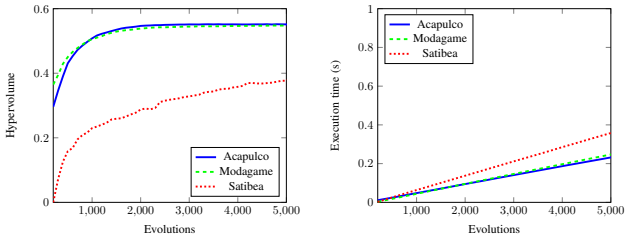


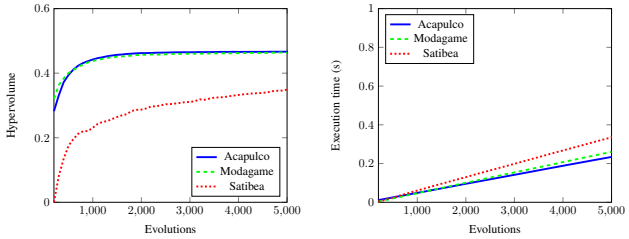
(a) Hypervolume. (b) Execution time.

Fig. 1: Results for Wget feature model.



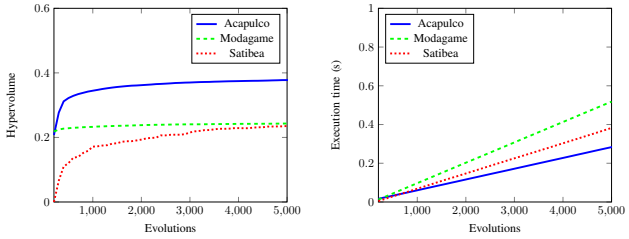
(a) Hypervolume. (b) Execution time.

Fig. 2: Results for Tank War feature model.



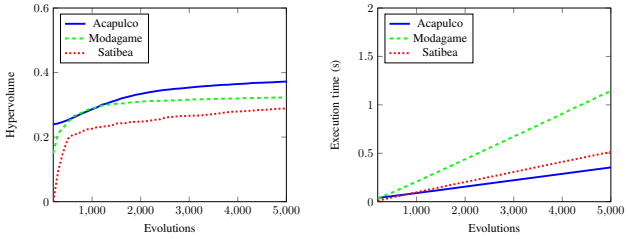
(a) Hypervolume. (b) Execution time.

Fig. 3: Results for Mobile Media feature model.



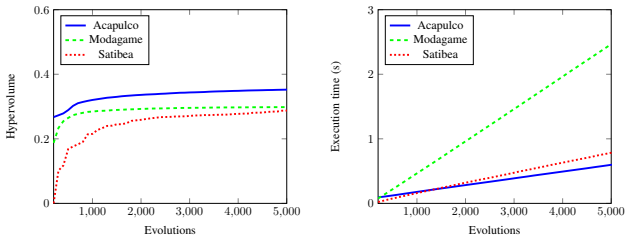
(a) Hypervolume. (b) Execution time.

Fig. 4: Results for WeaFQAs feature model.



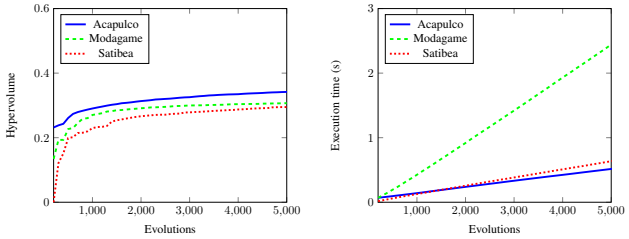
(a) Hypervolume. (b) Execution time.

Fig. 5: Results for Busy Box feature model.



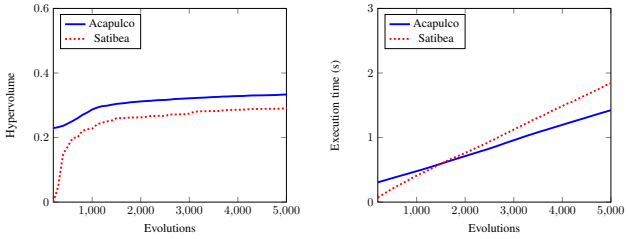
(a) Hypervolume. (b) Execution time.

Fig. 6: Results for EMB Tool Kit feature model.



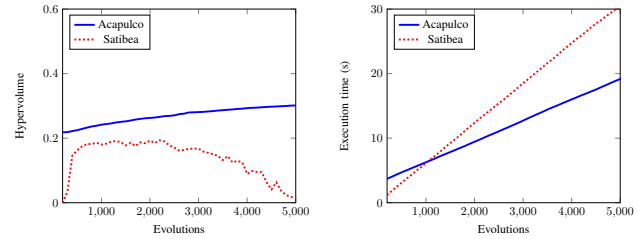
(a) Hypervolume. (b) Execution time.

Fig. 7: Results for Linux Distribution feature model.



(a) Hypervolume. (b) Execution time.

Fig. 8: Results for Linux feature model.



(a) Hypervolume. (b) Execution time.

Fig. 9: Results for Automotive feature model.

TABLE I: Comparison of hypervolumes (HV) and execution times (in seconds) of the three tools for each feature model. Results show median (MD), and standard deviation (SD) values over 30 runs. Right hand side shows the results of applying the Mann-Whitney U test comparing aCaPulCO with MODAGAME and SATIBEA, for HV and time, respectively.

	aCaPulCO				MODAGAME				SATIBEA					aCaPulCO HV is greater		aCaPulCO time is faster	
	HV		Time		HV		Time		HV		Time		Invalid	MODAGAME	SATIBEA	MODAGAME	SATIBEA
Feature model	MD	SD	MD	SD	MD	SD	MD	SD	MD	SD	MD	SD	Sols.	p-value	p-value	p-value	p-value
Wget	0.49	7.43e-4	0.23	0.05	0.49	7.64e-4	0.22	0.04	0.43	1.51e-2	0.35	0.05	1%	0.47	1.43e-11	0.99	2.42e-10
Tank war	0.55	1.63e-3	0.24	0.05	0.55	4.96e-3	0.25	0.04	0.39	3.79e-2	0.37	0.04	5%	6.15e-10	1.44e-11	8.31e-8	2.42e-10
Mobile media	0.47	1.23e-3	0.24	0.05	0.46	2.46e-3	0.26	0.04	0.35	2.11e-2	0.34	0.04	1%	4.59e-7	1.44e-11	1.28e-9	2.42e-10
WeaFQAs	0.38	1.90e-3	0.29	0.05	0.24	1.61e-2	0.52	0.05	0.24	2.18e-2	0.39	0.04	27%	1.44e-11	1.44e-11	2.42e-10	2.42e-10
Busy Box	0.37	2.32e-3	0.36	0.07	0.32	3.47e-3	1.14	0.06	0.29	1.23e-2	0.53	0.05	15%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
EMB ToolKit	0.35	2.10e-3	0.61	0.08	0.27	4.52e-3	1.81	0.09	0.29	1.07e-2	0.80	0.08	26%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
Linux Distrib.	0.34	2.33e-3	0.52	0.07	0.31	2.26e-3	2.44	0.08	0.30	1.17e-2	0.65	0.07	17%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
Linux 2.6.33.3	0.33	3.73e-3	1.45	0.14	-	-	-	-	0.29	9.50e-3	1.88	0.12	35%	-	1.44e-11	-	2.20e-10
Automotive 2.1	0.30	1.01e-2	19.49	0.89	-	-	-	-	0.02	6.34e-2	31.25	0.78	97%	-	1.44e-11	-	1.44e-11

Runs: 30. Population: 100. Generations: 50 (5000 evolutions).