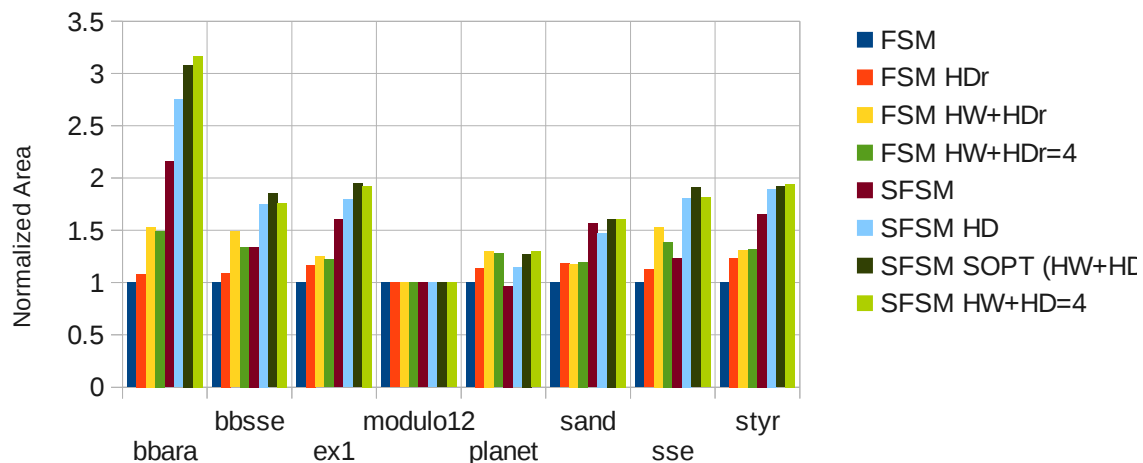


Sheet1

	Combinational Area				
	bbara	bbsse	ex1	modulo12	planet
FSM	810.086401	1430.323204	3779.481566	5.5296	3042.201596
FSM HDr	875.519995	1563.033588	4419.993552	5.5296	3469.823993
FSM HW+HDr	1242.316791	2128.895988	4730.572742	5.5296	3958.272001
FSM HW+HDr=4	1209.139192	1921.535987	4612.607947	5.5296	3890.995197
SFSM	1749.196798	1919.692799	6055.833564	5.5296	2951.884795
SFSM HD	2230.271987	2506.751992	6784.819128	5.5296	3490.099202
SFSM SOPT (HW+HD)	2497.535981	2650.52159	7371.87831	5.5296	3879.014389
SFSM HW+HD=4	2567.577587	2517.811189	7267.737514	5.5296	3955.507196
	bbara	bbsse	ex1	modulo12	planet
FSM		1	1	1	1
FSM HDr	1.080773599	1.092783494	1.169470859		1 1.140563465
FSM HW+HDr	1.533560852	1.488402049	1.251645936		1 1.301120875
FSM HW+HDr=4	1.492605222	1.343427822	1.220434037		1 1.279006362
SFSM	2.159271895	1.342139171	1.602292129		1 0.970312026
SFSM HD	2.753128536	1.752577309	1.795171906		1 1.147228115
SFSM SOPT (HW+HD)	3.083048892	1.853092771	1.950499872		1 1.275068159
SFSM HW+HD=4	3.169510788	1.760309266	1.922945618		1 1.300212057
	Combinational Percentage				
	1	72.55%			
	0.972362424	70.54%			
	0.985653518	71.50%			
	0.978949292	71.02%			
	1.10327466	80.04%			
	1.099365177	79.75%			
	1.098562335	79.70%			
	1.103391	80.05%			

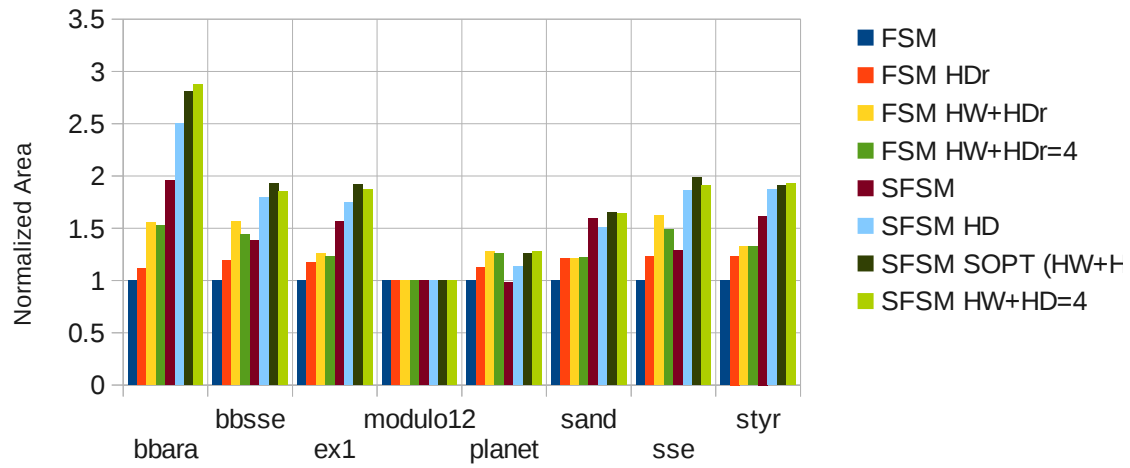
Combinational Area Requirements

Normalized to Base FSM Requirments



Total Layout Area Requirments

Normalized to Base FSM Requirements

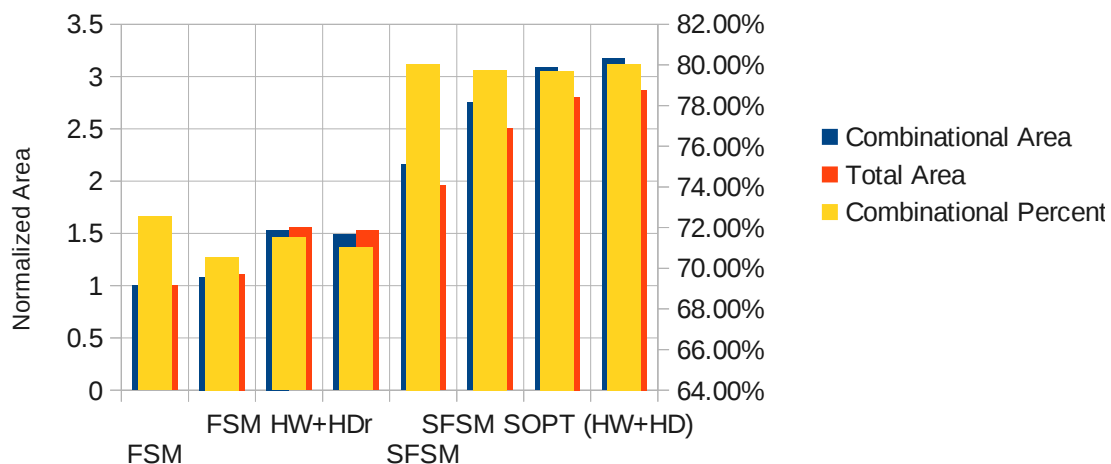


Sheet1

			Total Area			
sand	sse	styr	bbara	bbsse	ex1	
6006.988745	1387.008006	4013.568003	FSM	1116.664844	1754.936437	4567.129887
7104.614329	1563.033588	4951.756781	FSM HDr	1241.164665	2095.375559	5359.721525
7087.103934	2128.895988	5262.335982	FSM HW+HDr	1737.399054	2754.541955	5749.003841
7185.715133	1921.535987	5309.337583	FSM HW+HDr	1702.580297	2528.155219	5620.169636
9415.987171	1709.567996	6640.12803	SFSM	2185.478468	2428.424663	7128.674052
8861.183944	2506.751992	7597.670385	SFSM HD	2796.451909	3158.162154	7986.668798
9657.446337	2650.52159	7699.046379	SFSM SOPT (	3133.852491	3382.865152	8765.466754
9668.505537	2517.811189	7794.892782	SFSM HW+H	3207.640146	3245.270037	8571.162125
sand	sse	styr		bbara	bbsse	ex1
1	1	1	FSM	1	1	1
1.182724761	1.1269102855	1.2337543	FSM HDr	1.111492559	1.193989432	1.173542609
1.179809757	1.5348837056	1.311136619	FSM HW+HDr	1.555882289	1.569596424	1.258778266
1.196225836	1.3853820444	1.322847297	FSM HW+HDr	1.524701262	1.44059646	1.230569258
1.567505379	1.2325581313	1.654420213	SFSM	1.957148091	1.383767874	1.560865189
1.475145754	1.8073089565	1.892996551	SFSM HD	2.504289379	1.799587773	1.748728194
1.607701753	1.9109634397	1.918254873	SFSM SOPT (	2.806439647	1.927628306	1.919250595
1.609542809	1.8152823762	1.942135471	SFSM HW+H	2.872518252	1.849223692	1.876706452

Area Requirements

BBARA Benchmark



ID)

Sheet1

modulo12	planet	sand	sse	styr
5.612351	3901.850813	6886.849705	1699.860631	4689.56235
5.612351	4402.730179	8358.183137	2095.375559	5794.25635
5.612351	4976.149028	8346.27778	2754.541955	6200.083146
5.612351	4921.97094	8438.303409	2528.155219	6241.501
5.612351	3809.092245	10974.3558	2195.328466	7590.611297
5.612351	4425.388703	10393.87205	3160.005354	8769.075076
5.612351	4910.321039	11351.95245	3382.865152	8939.303653
5.612351	4988.499045	11331.06061	3245.270037	9055.557303
modulo12	planet	sand	sse	styr
1	1	1	1	1
1	1.128369687	1.2136439	1.232674915	1.235564413
1	1.275330418	1.211915192	1.620451645	1.322102722
1	1.26144519	1.225277706	1.487272058	1.330934645
1	0.976227034	1.593523348	1.291475563	1.61861827
1	1.134176809	1.509234627	1.858979081	1.869913314
1	1.258459453	1.648351995	1.990083828	1.906212773
1	1.278495587	1.64531841	1.909138889	1.931002645

age

Sheet1_2

reports/bbara_hw_0_hd_0_hwVal_0_hdVal_0-area.log	810.086401
reports/bbara_hw_0_hd_1_hwVal_0_hdVal_0-area.log	875.519995
reports/bbara_hw_1_hd_1_hwVal_0_hdVal_0-area.log	1242.316791
reports/bbara_hw_1_hd_1_hwVal_0_hdVal_4-area.log	1209.139192
reports/bbsse_hw_0_hd_0_hwVal_0_hdVal_0-area.log	1430.323204
reports/bbsse_hw_0_hd_1_hwVal_0_hdVal_0-area.log	1563.033588
reports/bbsse_hw_1_hd_1_hwVal_0_hdVal_0-area.log	2128.895988
reports/bbsse_hw_1_hd_1_hwVal_0_hdVal_4-area.log	1921.535987
reports/ex1_hw_0_hd_0_hwVal_0_hdVal_0-area.log	3779.481566
reports/ex1_hw_0_hd_1_hwVal_0_hdVal_0-area.log	4419.993552
reports/ex1_hw_1_hd_1_hwVal_0_hdVal_0-area.log	4730.572742
reports/ex1_hw_1_hd_1_hwVal_0_hdVal_4-area.log	4612.607947
reports/fsm_rd_001-area.log	1530.777587
reports/fsm_rd_002-area.log	670.003196
reports/modulo12_hw_0_hd_0_hwVal_0_hdVal_0-area.log	5.5296
reports/modulo12_hw_0_hd_1_hwVal_0_hdVal_0-area.log	5.5296
reports/modulo12_hw_1_hd_1_hwVal_0_hdVal_0-area.log	5.5296
reports/modulo12_hw_1_hd_1_hwVal_0_hdVal_4-area.log	5.5296
reports/planet_hw_0_hd_0_hwVal_0_hdVal_0-area.log	3042.201596
reports/planet_hw_0_hd_1_hwVal_0_hdVal_0-area.log	3469.823993
reports/planet_hw_1_hd_1_hwVal_0_hdVal_0-area.log	3958.272001
reports/planet_hw_1_hd_1_hwVal_0_hdVal_4-area.log	3890.995197
reports/sand_hw_0_hd_0_hwVal_0_hdVal_0-area.log	6006.988745
reports/sand_hw_0_hd_1_hwVal_0_hdVal_0-area.log	7104.614329
reports/sand_hw_1_hd_1_hwVal_0_hdVal_0-area.log	7087.103934
reports/sand_hw_1_hd_1_hwVal_0_hdVal_4-area.log	7185.715133
reports/sse_hw_0_hd_0_hwVal_0_hdVal_0-area.log	1387.008006
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reports/sse_hw_1_hd_1_hwVal_0_hdVal_4-area.log	1921.535987
reports/styr_hw_0_hd_0_hwVal_0_hdVal_0-area.log	4013.568003
reports/styr_hw_0_hd_1_hwVal_0_hdVal_0-area.log	4951.756781
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reports/bbara_s_hw_0_hd_1_hwVal_0_hdVal_0-area.log	2230.271987
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reports/modulo12_s_hw_1_hd_1_hwVal_0_hdVal_4-area.lc	5.5296
reports/planet_s_hw_0_hd_1_hwVal_0_hdVal_0-area.log	3490.099202
reports/planet_s_hw_1_hd_1_hwVal_0_hdVal_0-area.log	3879.014389
reports/planet_s_hw_1_hd_1_hwVal_0_hdVal_4-area.log	3955.507196

Sheet1_2

reports/sand_s_hw_0_hd_1_hwVal_0_hdVal_0-area.log	8861.183944
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reports/sse_s_hw_0_hd_1_hwVal_0_hdVal_0-area.log	2506.751992
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reports/styr_s_hw_0_hd_1_hwVal_0_hdVal_0-area.log	7597.670385
reports/styr_s_hw_1_hd_1_hwVal_0_hdVal_0-area.log	7699.046379
reports/styr_s_hw_1_hd_1_hwVal_0_hdVal_4-area.log	7794.892782
reports/bbara_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	1749.196798
reports/bbsse_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	1919.692799
reports/ex1_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	6055.833564
reports/modulo12_s_hw_0_hd_0_hwVal_0_hdVal_0-area.lc	5.5296
reports/planet_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	2951.884795
reports/sand_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	9415.987171
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reports/styr_s_hw_0_hd_0_hwVal_0_hdVal_0-area.log	6640.12803

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