Four dies

Design	hMETIS (s)	METIS (s)	TritonPart (s)	FPGAPart (s)		Design
bgm	11.21	0.319	65.19	32.07		bnn
blob_merge	2.93	0.524	21.32	5.54		bwave_like.fixed.sr
boundtop	3.31	0.221	33.19	6.32		clstm_like.mediur
diffeq1	5.54	0.391	46.45	19.21		clstm_like.small
diffeq2	6.61	0.313	47.19	11.81		conv_layer_hls
LU32PEEng	13.41	0.292	221.16	58.34		dla_like.small
LU8PEEng	9.23	0.368	43.52	11.32		eltwise_layer
mcml	25.54	0.429	301.87	56.17		lenet
kDelayWorker32	1.93	0.519	33.42	5.11		lstm
mkPktMerge	2.13	0.321	27.32	4.32		reduction_layer
or1200	1.96	0.524	49.19	6.44		robot_rl
raygentop	6.74	0.422	46.43	10.11		softmax
sha	4.51	0.328	73.42	8.36		spmv
stereovision0	10.91	0.219	133.19	18.01		tpu_like.small.os
stereovision1	7.91	0.242	256.19	22.45		tpu_like.small.ws
stereovision2	6.67	0.297	254.23	26.41		

Three dies

Design	hMETIS (s)	METIS (s)	TritonPart (s)	FPGAPart (s)		Design
bgm	8.92	0.264	41.26	14.29		bnn
blob_merge	1.93	0.521	19.62	3.32		bwave_like.fixed.sr
boundtop	2.61	0.209	28.19	1.43		clstm_like.mediur
diffeq1	4.86	0.264	32.39	10.15		clstm_like.small
diffeq2	5.45	0.287	42.19	9.05		conv_layer_hls
LU32PEEng	11.29	0.221	201.26	54.19		dla_like.small
LU8PEEng	6.49	0.219	40.92	9.19		eltwise_layer
mcml	17.21	0.364	296.23	45.29		lenet
kDelayWorker32	1.64	0.392	30.76	4.64		lstm
mkPktMerge	1.82	0.296	22.25	4.11		reduction_layer
or1200	1.44	0.244	30.19	5.21		robot_rl
raygentop	1.73	0.319	33.73	6.03		softmax
sha	1.49	0.296	56.65	3.76		spmv
stereovision0	3.87	0.119	121.21	6.08		tpu_like.small.os
stereovision1	4.76	0.202	222.91	13.11		tpu_like.small.ws
stereovision2	5.19	0.264	201.13	12.13		

Two dies

Design	hMETIS	METIS	TritonPart	FPGAPart (s)		Design
bgm	8.92	0.132	36.14	11.32		bnn

blob_merge	1.93	0.396	11.04	2.27	bwave_like.fixed.sr
boundtop	2.61	0.204	19.56	0.91	clstm_like.mediu
diffeq1	4.86	0.176	26.73	7.94	clstm_like.small
diffeq2	5.45	0.223	22.32	4.45	conv_layer_hls
LU32PEEng	11.29	0.171	156.41	34.26	dla_like.small
LU8PEEng	6.49	0.126	33.19	6.23	eltwise_layer
mcml	17.21	0.166	201.14	39.11	lenet
kDelayWorker32	1.64	0.143	19.15	2.93	lstm
mkPktMerge	1.82	0.132	17.61	2.32	reduction_layer
or1200	1.44	0.102	21.22	4.16	robot_rl
raygentop	1.73	0.128	26.42	5.87	softmax
sha	1.49	0.114	33.09	2.16	spmv
stereovision0	3.87	0.102	110.46	2.33	tpu_like.small.os
stereovision1	4.76	0.101	196.64	2.72	tpu_like.small.w
stereovision2	4.67	0.114	174.26	2.23	

Koios designs

hMETIS (s)	METIS (s)	TritonPart (s)	FPGAPart (s)
28.75	0.376	123.62	55.62
6.93	0.286	46.84	21.64
78.86	0.984	201.97	111.74
27.64	0.576	76.42	63.16
2.95	0.152	21.74	11.39
4.51	0.469	56.79	40.81
5.63	0.142	284.65	46.65
2.62	0.711	43.45	4.94
19.53	0.342	394.98	49.01
5.9	0.103	73.17	13.92
2.45	0.259	56.19	5.67
5.64	0.12	65.01	16.29
4.57	0.112	158.46	21.46
9.12	0.159	69.98	41.45
8.64	0.295	66.71	40.88

hMETIS (s)	METIS (s)	TritonPart (s)	FPGAPart (s)
21.34	0.298	110.43	44.82
4.36	0.164	42.31	22.93
46.12	0.742	164.39	73.69
16.77	0.323	67.29	41.32
1.63	0.101	16.13	4.31
2.29	0.217	51.15	40.47
3.11	0.129	250.39	22.01
1.47	0.342	22.65	10.72
10.25	0.261	256.42	38.17
3.04	0.083	54.29	12.69
1.73	0.125	39.61	6.83
2.19	0.098	47.29	17.48
2.31	0.086	126.19	10.41
7.64	0.072	46.13	20.23
5.25	0.112	48.39	19.29

hMETIS (s)	METIS (s)	TritonPart (s)	FPGAPart (s)
11.13	0.126	72.19	35.49

1.93	0.095	22.63	15.92
26.47	0.127	106.16	64.69
7.32	0.182	62.29	34.31
1.2	0.065	12.22	4.47
1.85	0.089	46.29	31.04
2.62	0.094	223.42	19.36
1.22	0.121	16.19	3.87
7.69	0.094	219.16	22.17
1.01	0.016	36.24	4.04
1.29	0.019	26.78	4.24
1.02	0.015	27.31	13.18
1.04	0.012	96.43	13.71
4.13	0.007	26.21	12.01
2.05	0.002	28.83	16.73