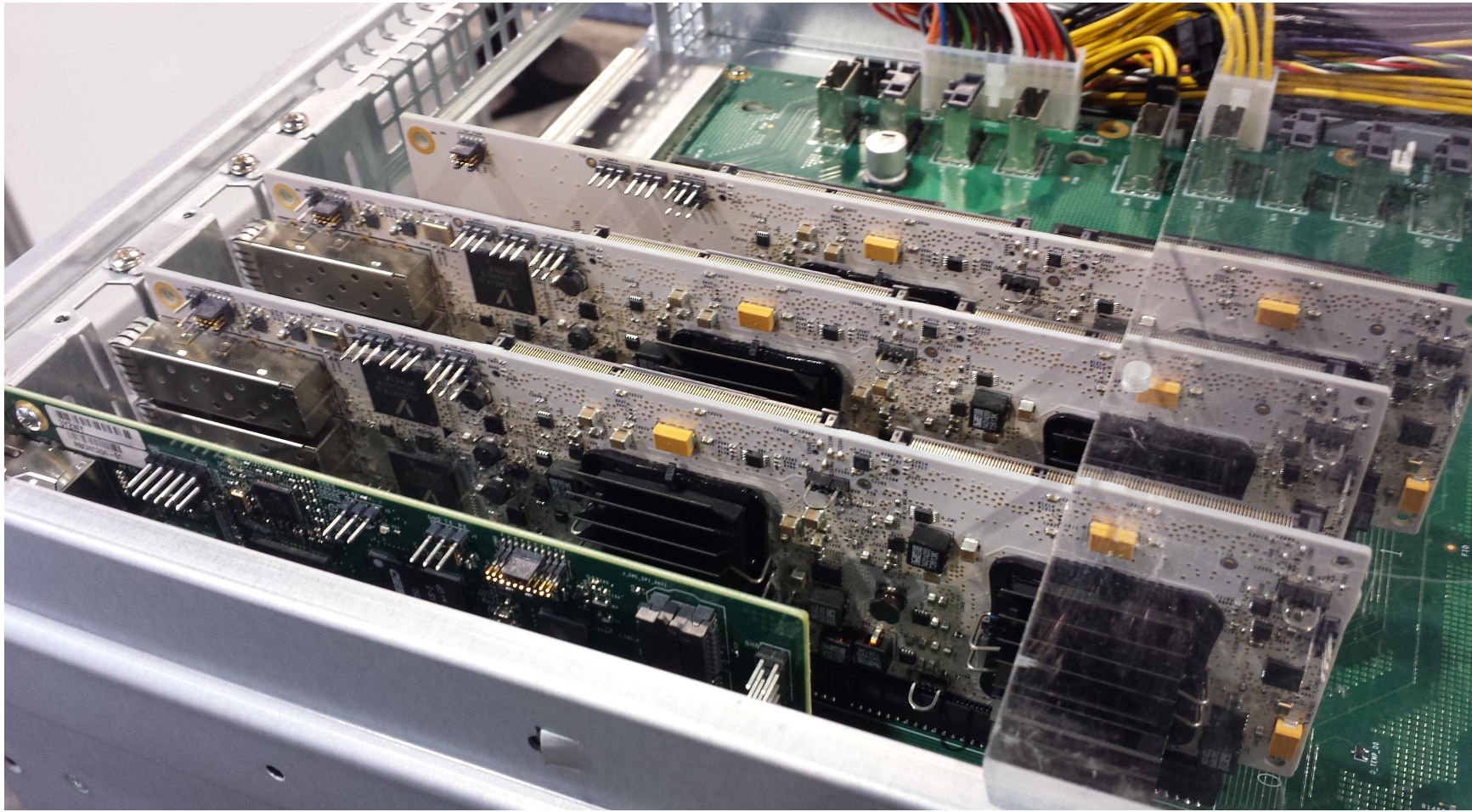
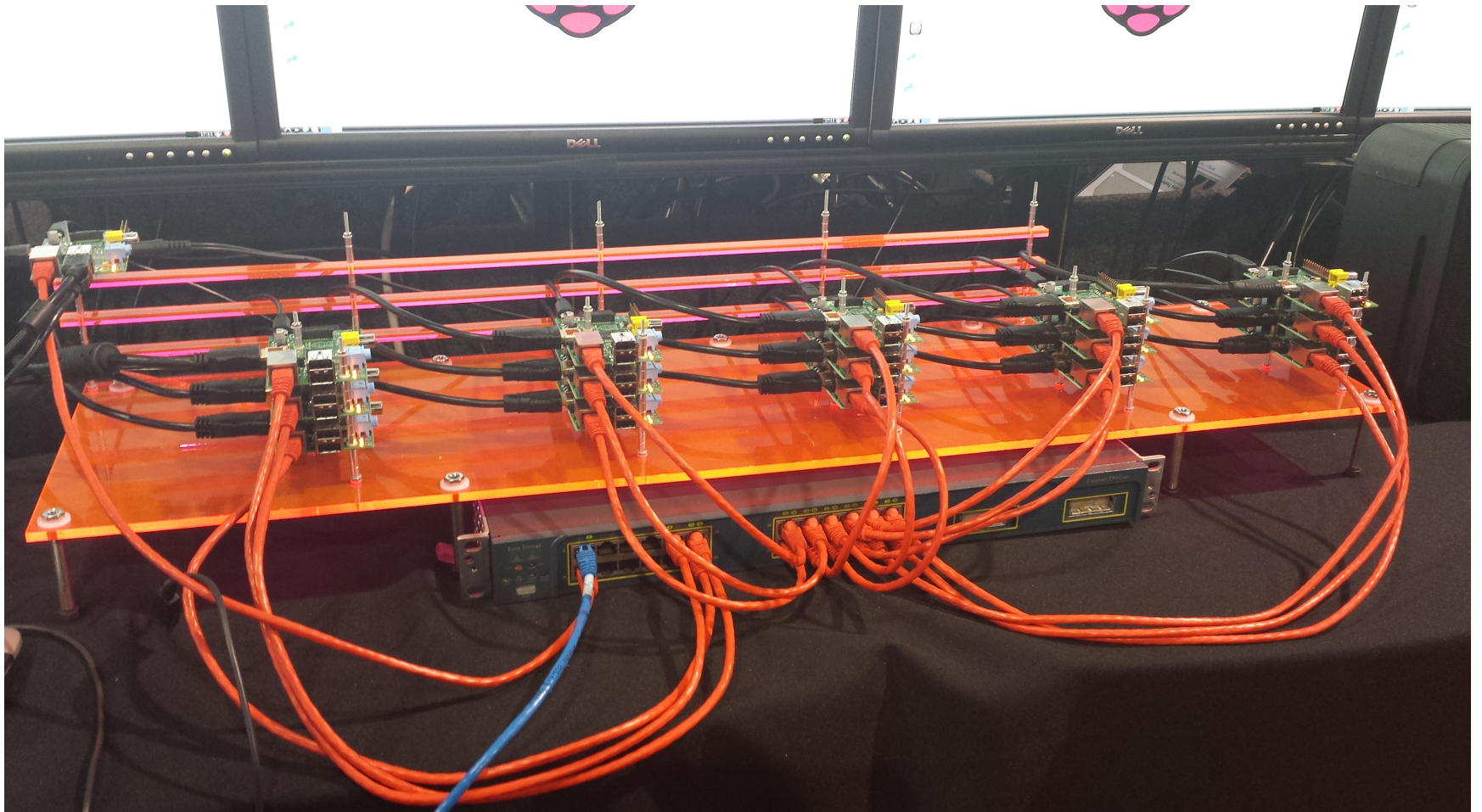


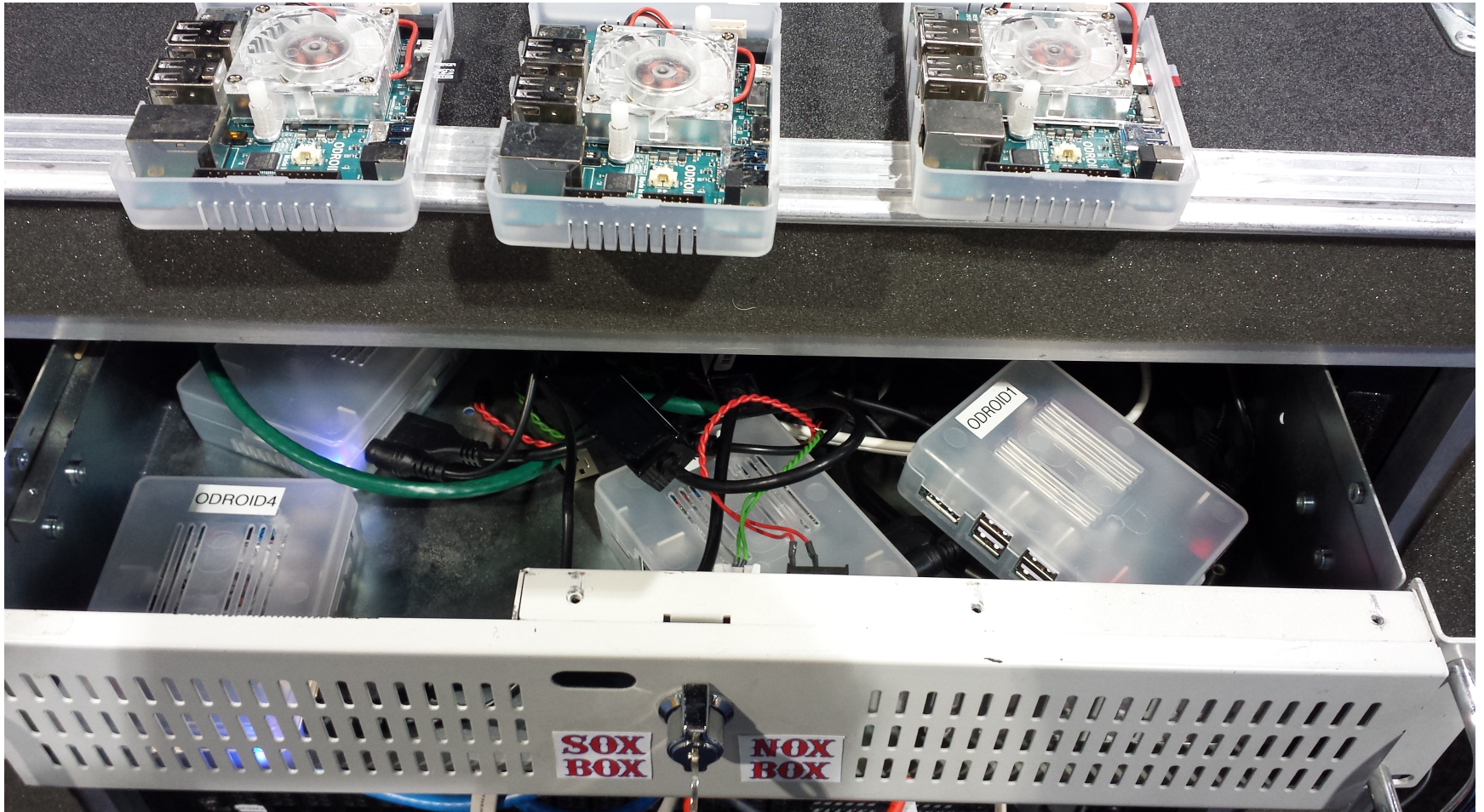
# Not all SoCs are created equal



# Some SoCs SuC



# ODROID XU





# ODROID Magazine

Year One  
Issue #2  
Feb 2014

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Mauro Ribeiro, Senior Software engineer

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Get up to 433mbit/sec

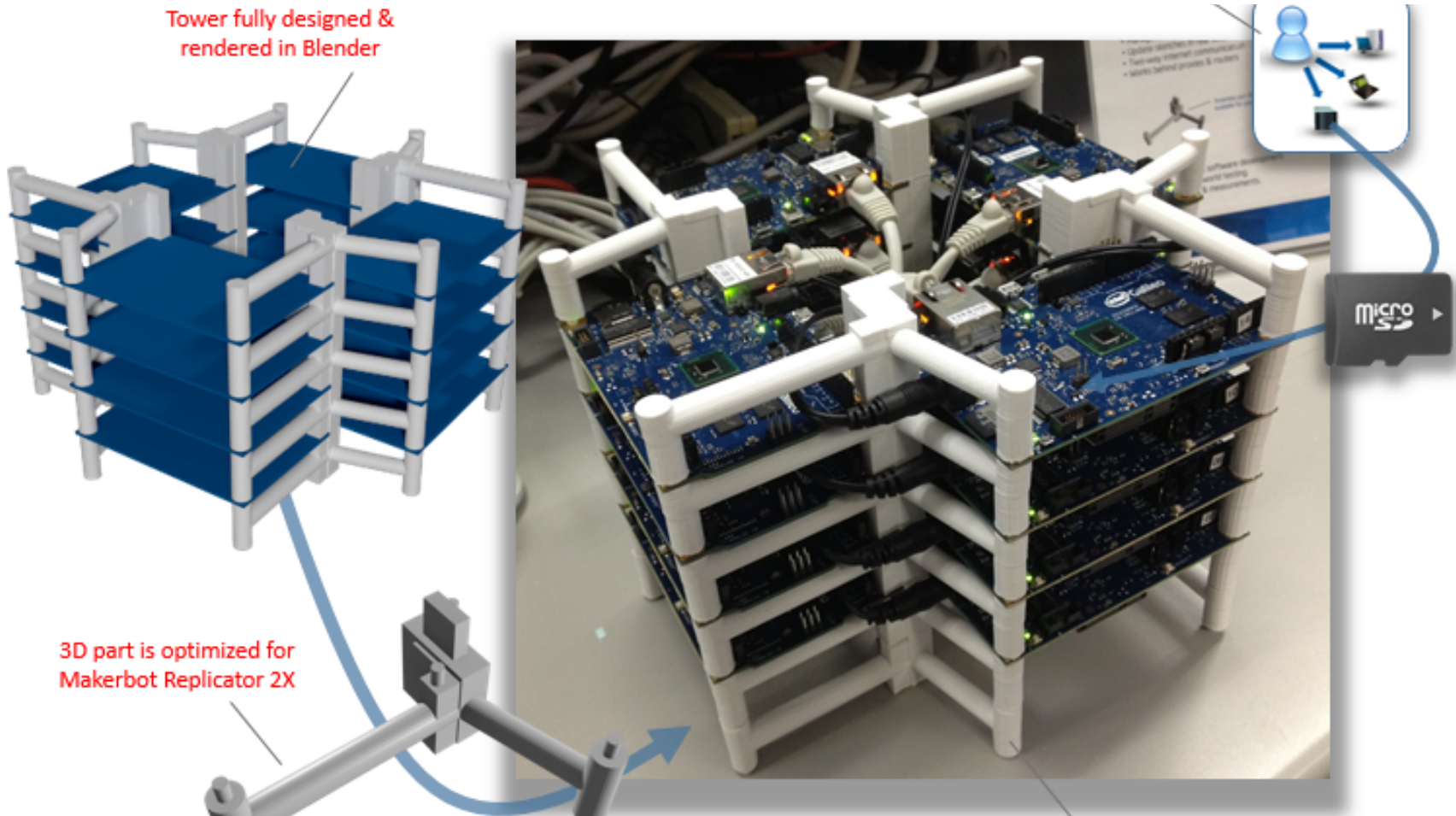
[magazine.odroid.com](http://magazine.odroid.com)

SoC Comparisons

<http://tinyurl.com/XUBench>

<http://tinyurl.com/NUCBench>

# SuCs or SiC? The Galileo Tower



	CompuLab Utilite	CompuLab Fi-PC2	CompuLab Trim-Slice	CompuLab Intense-PC	ASRock 3D Vision NetTop	ASRock Core i3 NetTop	Intel Bay Trail NUC Kit	Intel Galileo Squeeze
<a href="#">HPC Challenge</a>	2.01655	0.82762	1.04644	7.73103	5.85633	5.19380	3.82001	
<a href="#">HPC Challenge</a>	0.24977	0.18720	0.15694	2.20394	1.41956	1.28883	0.71068	
<a href="#">HPC Challenge</a>	0.56971	0.44101	0.56679	2.01932	1.54409	1.36686	1.99315	
<a href="#">HPC Challenge</a>	0.08971	0.11404	0.13199	0.55574	0.33193	0.31007	0.59813	
<a href="#">HPC Challenge</a>	0.51484	0.85012	0.44687	3.49379	2.05182	1.88436	2.04644	
<a href="#">HPC Challenge</a>	711.956	521.511	1280.553	6410.858	3757.653	3481.514	1858.307	
<a href="#">Dolfyn</a>	578.60	325.91	551.51	32.92	50.46	58.67	109.32	
<a href="#">PolyBench-C</a>	24.53	30.88	21.87	7.14	7.94	9.00	5.84	240.01
<a href="#">PolyBench-C</a>	24.59	31.22	21.97	7.03	7.89	8.94	5.85	
<a href="#">PolyBench-C</a>	571.48	485.77	551.93	30.63	49.31	52.30	126.50	1270.16
<a href="#">SciMark</a>	62.15	128.86	64.53	927.07	563.63	502.71	323.06	11.65
<a href="#">SciMark</a>	49.80	48.11	56.33	398.05	290.99	258.11	157.90	7.66
<a href="#">SciMark</a>	16.57	16.15	17.48	221.33	124.28	119.34	51.30	4.80
<a href="#">SciMark</a>	52.73	156.46	54.77	1563.42	830.85	748.14	463.35	12.65
<a href="#">SciMark</a>	67.53	153.00	53.98	1604.02	905.52	797.22	384.81	14.42
<a href="#">SciMark</a>	124.12	270.60	140.10	839.39	666.50	590.73	557.94	18.71
<a href="#">TSCP</a>	127979	197936	126451	807594	555678	488369	323454	40673
<a href="#">Himeno Benchmark</a>	109.12	104.05	103.47	1094.24	803.71	779.53	535.62	13.90
<a href="#">Timed Apache Compilation</a>	390.00	473.04	537.40	61.52	76.30	85.40	226.44	4891.22
<a href="#">C-Ray</a>	630.47	1823.45	1261.45	127.32	141.01	159.21	282.25	40491.30
<a href="#">Primesieve</a>	1382.41	2264.13	2513.16	233.49	289.83	340.10	558.17	42.06
<a href="#">Smallpt</a>	1419	2559	3049	230	315	366	888	32377
<a href="#">Gzip Compression</a>	102.70	86.34	146.01	17.28	19.37	25.82	31.50	868.31
<a href="#">FLAC Audio Encoding</a>	56.82	56.70	61.44	7.33	11.68	13.19	19.28	531.82
<a href="#">LAME MP3 Encoding</a>	128.79	135.49	135.75	17.96	26.35	29.84	48.00	
<a href="#">FFmpeg</a>	357.63		489.53	28.73	33.53	36.97	55.35	
<a href="#">N-Queens</a>	246.59		518.44	113.19	140.39	162.77	250.56	4043.43

# SuCs or SiC? Parallela Torpedo

