

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
aich	chan	64	11.906	5.38	5.13	0.1860
aich	chan	128	12.347	10.37	9.89	0.0965
aich	chan	256	12.667	20.21	19.27	0.0495
aich	chan	512	14.315	35.77	34.11	0.0280
aich	chan	1024	19.535	52.42	49.99	0.0191
aich	chan	2048	29.252	70.01	66.77	0.0143
aich	chan	4096	48.006	85.32	81.37	0.0117
aich	chan	8192	84.461	96.99	92.50	0.0103
aich	chan	16384	162.300	100.95	96.27	0.0099
aich	chan	32768	306.433	106.93	101.98	0.0094
aich	chan	65536	604.001	108.50	103.47	0.0092
aich	chan	131072	1213.782	107.99	102.99	0.0093
aich	chan	262144	2432.391	107.77	102.78	0.0093
aich	chan	524288	4826.421	108.63	103.60	0.0092
aich	chan	1048576	9644.905	108.72	103.68	0.0092
aich	chan	2097152	19650.421	106.72	101.78	0.0094
aich	chan	4194304	38575.072	108.73	103.69	0.0092
aich	chan	8388608	77672.706	108.00	103.00	0.0093
aich	chan	16777216	156593.065	107.14	102.18	0.0093
aich	chan	33554432	313336.428	107.09	102.13	0.0093
aich	chan	67108864	623582.355	107.62	102.63	0.0093
blake2b	chan	64	9.209	6.95	6.63	0.1439
blake2b	chan	128	9.206	13.90	13.26	0.0719
blake2b	chan	256	9.927	25.79	24.60	0.0388
blake2b	chan	512	11.156	45.89	43.76	0.0218
blake2b	chan	1024	14.458	70.83	67.55	0.0141
blake2b	chan	2048	20.198	101.40	96.70	0.0099
blake2b	chan	4096	30.370	134.87	128.62	0.0074
blake2b	chan	8192	49.463	165.62	157.95	0.0060
blake2b	chan	16384	87.290	187.70	179.00	0.0053
blake2b	chan	32768	183.641	178.44	170.17	0.0056
blake2b	chan	65536	334.922	195.68	186.61	0.0051
blake2b	chan	131072	680.821	192.52	183.60	0.0052
blake2b	chan	262144	1416.068	185.12	176.54	0.0054
blake2b	chan	524288	2701.982	194.04	185.05	0.0052
blake2b	chan	1048576	5434.075	192.96	184.02	0.0052
blake2b	chan	2097152	10966.669	191.23	182.37	0.0052
blake2b	chan	4194304	21905.242	191.47	182.60	0.0052
blake2b	chan	8388608	43350.121	193.51	184.55	0.0052
blake2b	chan	16777216	86293.727	194.42	185.41	0.0051
blake2b	chan	33554432	173321.850	193.60	184.63	0.0052
blake2b	chan	67108864	346961.330	193.42	184.46	0.0052

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
blake2s	chan	64	9.833	6.51	6.21	0.1536
blake2s	chan	128	9.972	12.84	12.25	0.0779
blake2s	chan	256	18.683	13.70	13.07	0.0730
blake2s	chan	512	22.049	23.22	22.14	0.0431
blake2s	chan	1024	17.508	58.49	55.78	0.0171
blake2s	chan	2048	31.094	65.86	62.81	0.0152
blake2s	chan	4096	43.705	93.72	89.38	0.0107
blake2s	chan	8192	76.585	106.97	102.01	0.0093
blake2s	chan	16384	164.249	99.75	95.13	0.0100
blake2s	chan	32768	301.932	108.53	103.50	0.0092
blake2s	chan	65536	583.580	112.30	107.10	0.0089
blake2s	chan	131072	1124.359	116.57	111.17	0.0086
blake2s	chan	262144	2268.808	115.54	110.19	0.0087
blake2s	chan	524288	4448.750	117.85	112.39	0.0085
blake2s	chan	1048576	8919.000	117.57	112.12	0.0085
blake2s	chan	2097152	18008.326	116.45	111.06	0.0086
blake2s	chan	4194304	35556.941	117.96	112.50	0.0085
blake2s	chan	8388608	71704.628	116.99	111.57	0.0085
blake2s	chan	16777216	143243.243	117.12	111.69	0.0085
blake2s	chan	33554432	287455.977	116.73	111.32	0.0086
blake2s	chan	67108864	575869.219	116.53	111.13	0.0086
btih	chan	64	14.638	4.37	4.17	0.2287
btih	chan	128	14.730	8.69	8.29	0.1151
btih	chan	256	16.276	15.73	15.00	0.0636
btih	chan	512	18.938	27.04	25.79	0.0370
btih	chan	1024	24.625	41.58	39.65	0.0240
btih	chan	2048	33.039	61.99	59.12	0.0161
btih	chan	4096	53.654	76.34	72.80	0.0131
btih	chan	8192	89.494	91.54	87.30	0.0109
btih	chan	16384	173.140	94.63	90.25	0.0106
btih	chan	32768	326.098	100.49	95.83	0.0100
btih	chan	65536	638.239	102.68	97.92	0.0097
btih	chan	131072	1249.859	104.87	100.01	0.0095
btih	chan	262144	2440.792	107.40	102.42	0.0093
btih	chan	524288	4913.445	106.70	101.76	0.0094
btih	chan	1048576	9841.577	106.55	101.61	0.0094
btih	chan	2097152	19616.875	106.91	101.96	0.0094
btih	chan	4194304	39155.111	107.12	102.16	0.0093
btih	chan	8388608	78274.227	107.17	102.21	0.0093
btih	chan	16777216	156645.066	107.10	102.14	0.0093
btih	chan	33554432	312953.949	107.22	102.25	0.0093
btih	chan	67108864	626088.832	107.19	102.22	0.0093

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
ed2k	chan	64	17.338	3.69	3.52	0.2709
ed2k	chan	128	16.118	7.94	7.57	0.1259
ed2k	chan	256	14.571	17.57	16.76	0.0569
ed2k	chan	512	21.221	24.13	23.01	0.0414
ed2k	chan	1024	19.493	52.53	50.10	0.0190
ed2k	chan	2048	18.286	112.00	106.81	0.0089
ed2k	chan	4096	22.510	181.96	173.53	0.0055
ed2k	chan	8192	23.598	347.15	331.07	0.0029
ed2k	chan	16384	35.881	456.62	435.47	0.0022
ed2k	chan	32768	57.651	568.39	542.06	0.0018
ed2k	chan	65536	96.775	677.20	645.83	0.0015
ed2k	chan	131072	171.705	763.36	728.00	0.0013
ed2k	chan	262144	327.609	800.17	763.10	0.0012
ed2k	chan	524288	637.955	821.83	783.76	0.0012
ed2k	chan	1048576	1316.587	796.44	759.54	0.0013
ed2k	chan	2097152	2635.250	795.81	758.94	0.0013
ed2k	chan	4194304	5394.292	777.54	741.52	0.0013
ed2k	chan	8388608	11014.635	761.59	726.31	0.0013
ed2k	chan	16777216	21831.982	768.47	732.87	0.0013
ed2k	chan	33554432	43712.224	767.62	732.06	0.0013
ed2k	chan	67108864	86514.064	775.70	739.77	0.0013
edonr/224	chan	64	14.283	4.48	4.27	0.2232
edonr/224	chan	128	15.765	8.12	7.74	0.1232
edonr/224	chan	256	21.517	11.90	11.35	0.0841
edonr/224	chan	512	18.055	28.36	27.05	0.0353
edonr/224	chan	1024	23.609	43.37	41.36	0.0231
edonr/224	chan	2048	27.928	73.33	69.93	0.0136
edonr/224	chan	4096	31.991	128.04	122.11	0.0078
edonr/224	chan	8192	48.448	169.09	161.26	0.0059
edonr/224	chan	16384	77.518	211.36	201.57	0.0047
edonr/224	chan	32768	143.786	227.89	217.33	0.0044
edonr/224	chan	65536	268.680	243.92	232.62	0.0041
edonr/224	chan	131072	522.893	250.67	239.06	0.0040
edonr/224	chan	262144	1004.838	260.88	248.79	0.0038
edonr/224	chan	524288	2018.487	259.74	247.71	0.0038
edonr/224	chan	1048576	4062.178	258.13	246.17	0.0039
edonr/224	chan	2097152	8119.170	258.30	246.33	0.0039
edonr/224	chan	4194304	16164.631	259.47	247.45	0.0039
edonr/224	chan	8388608	32605.032	257.28	245.36	0.0039
edonr/224	chan	16777216	64982.862	258.18	246.22	0.0039
edonr/224	chan	33554432	129964.202	258.18	246.22	0.0039
edonr/224	chan	67108864	259699.686	258.41	246.44	0.0039

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
edonr/256	chan	64	15.961	4.01	3.82	0.2494
edonr/256	chan	128	18.530	6.91	6.59	0.1448
edonr/256	chan	256	20.033	12.78	12.19	0.0783
edonr/256	chan	512	18.205	28.12	26.82	0.0356
edonr/256	chan	1024	20.196	50.70	48.35	0.0197
edonr/256	chan	2048	24.542	83.45	79.58	0.0120
edonr/256	chan	4096	33.882	120.89	115.29	0.0083
edonr/256	chan	8192	45.222	181.15	172.76	0.0055
edonr/256	chan	16384	77.772	210.67	200.91	0.0047
edonr/256	chan	32768	138.538	236.53	225.57	0.0042
edonr/256	chan	65536	280.280	233.82	222.99	0.0043
edonr/256	chan	131072	514.646	254.68	242.88	0.0039
edonr/256	chan	262144	1002.701	261.44	249.33	0.0038
edonr/256	chan	524288	1993.972	262.94	250.76	0.0038
edonr/256	chan	1048576	4039.043	259.61	247.58	0.0039
edonr/256	chan	2097152	8211.769	255.38	243.55	0.0039
edonr/256	chan	4194304	16260.477	257.94	245.99	0.0039
edonr/256	chan	8388608	32703.003	256.51	244.63	0.0039
edonr/256	chan	16777216	65593.798	255.77	243.92	0.0039
edonr/256	chan	33554432	130137.076	257.84	245.90	0.0039
edonr/256	chan	67108864	260440.579	257.67	245.73	0.0039
edonr/384	chan	64	18.547	3.45	3.29	0.2898
edonr/384	chan	128	16.913	7.57	7.22	0.1321
edonr/384	chan	256	19.722	12.98	12.38	0.0770
edonr/384	chan	512	21.133	24.23	23.11	0.0413
edonr/384	chan	1024	18.363	55.76	53.18	0.0179
edonr/384	chan	2048	20.990	97.57	93.05	0.0102
edonr/384	chan	4096	28.235	145.07	138.35	0.0069
edonr/384	chan	8192	33.992	241.00	229.84	0.0041
edonr/384	chan	16384	41.529	394.52	376.24	0.0025
edonr/384	chan	32768	80.158	408.79	389.85	0.0024
edonr/384	chan	65536	140.836	465.34	443.78	0.0021
edonr/384	chan	131072	270.383	484.76	462.30	0.0021
edonr/384	chan	262144	517.499	506.56	483.09	0.0020
edonr/384	chan	524288	1028.083	509.97	486.35	0.0020
edonr/384	chan	1048576	2049.788	511.55	487.85	0.0020
edonr/384	chan	2097152	4150.356	505.29	481.88	0.0020
edonr/384	chan	4194304	8524.111	492.05	469.26	0.0020
edonr/384	chan	8388608	16986.384	493.84	470.96	0.0020
edonr/384	chan	16777216	34037.816	492.90	470.07	0.0020
edonr/384	chan	33554432	67897.827	494.19	471.30	0.0020
edonr/384	chan	67108864	136062.442	493.22	470.37	0.0020

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
edonr/512	chan	64	16.566	3.86	3.68	0.2588
edonr/512	chan	128	16.619	7.70	7.34	0.1298
edonr/512	chan	256	17.742	14.43	13.76	0.0693
edonr/512	chan	512	16.893	30.31	28.91	0.0330
edonr/512	chan	1024	19.142	53.49	51.01	0.0187
edonr/512	chan	2048	21.139	96.88	92.39	0.0103
edonr/512	chan	4096	20.495	199.85	190.59	0.0050
edonr/512	chan	8192	31.963	256.30	244.43	0.0039
edonr/512	chan	16384	47.111	347.77	331.66	0.0029
edonr/512	chan	32768	80.246	408.34	389.42	0.0024
edonr/512	chan	65536	140.197	467.46	445.80	0.0021
edonr/512	chan	131072	263.821	496.82	473.80	0.0020
edonr/512	chan	262144	514.887	509.13	485.54	0.0020
edonr/512	chan	524288	1038.619	504.79	481.41	0.0020
edonr/512	chan	1048576	2036.234	514.96	491.10	0.0019
edonr/512	chan	2097152	4240.398	494.56	471.65	0.0020
edonr/512	chan	4194304	8472.980	495.02	472.09	0.0020
edonr/512	chan	8388608	16913.920	495.96	472.98	0.0020
edonr/512	chan	16777216	34514.076	486.10	463.58	0.0021
edonr/512	chan	33554432	74571.002	449.97	429.12	0.0022
edonr/512	chan	67108864	137653.122	487.52	464.94	0.0021
gost12/256	chan	64	29.899	2.14	2.04	0.4672
gost12/256	chan	128	33.288	3.85	3.67	0.2601
gost12/256	chan	256	39.434	6.49	6.19	0.1540
gost12/256	chan	512	52.348	9.78	9.33	0.1022
gost12/256	chan	1024	75.455	13.57	12.94	0.0737
gost12/256	chan	2048	123.582	16.57	15.80	0.0603
gost12/256	chan	4096	220.461	18.58	17.72	0.0538
gost12/256	chan	8192	417.172	19.64	18.73	0.0509
gost12/256	chan	16384	898.623	18.23	17.39	0.0548
gost12/256	chan	32768	1637.120	20.02	19.09	0.0500
gost12/256	chan	65536	3251.657	20.15	19.22	0.0496
gost12/256	chan	131072	6711.174	19.53	18.63	0.0512
gost12/256	chan	262144	12974.820	20.20	19.26	0.0495
gost12/256	chan	524288	25208.836	20.80	19.84	0.0481
gost12/256	chan	1048576	53030.733	19.77	18.85	0.0506
gost12/256	chan	2097152	108511.590	19.33	18.43	0.0517
gost12/256	chan	4194304	206888.523	20.27	19.33	0.0493
gost12/256	chan	8388608	427049.185	19.64	18.73	0.0509
gost12/256	chan	16777216	825859.090	20.31	19.37	0.0492
gost12/256	chan	33554432	1715600.077	19.56	18.65	0.0511
gost12/256	chan	67108864	3529702.000	19.01	18.13	0.0526

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
gost12/512	chan	64	36.165	1.77	1.69	0.5651
gost12/512	chan	128	33.754	3.79	3.61	0.2637
gost12/512	chan	256	40.367	6.34	6.05	0.1577
gost12/512	chan	512	55.306	9.26	8.83	0.1080
gost12/512	chan	1024	93.325	10.97	10.46	0.0911
gost12/512	chan	2048	136.701	14.98	14.29	0.0667
gost12/512	chan	4096	233.826	17.52	16.71	0.0571
gost12/512	chan	8192	464.654	17.63	16.81	0.0567
gost12/512	chan	16384	969.634	16.90	16.12	0.0592
gost12/512	chan	32768	1860.721	17.61	16.79	0.0568
gost12/512	chan	65536	3372.702	19.43	18.53	0.0515
gost12/512	chan	131072	7100.117	18.46	17.60	0.0542
gost12/512	chan	262144	14111.046	18.58	17.72	0.0538
gost12/512	chan	524288	27790.036	18.87	18.00	0.0530
gost12/512	chan	1048576	55519.987	18.89	18.01	0.0529
gost12/512	chan	2097152	110738.918	18.94	18.06	0.0528
gost12/512	chan	4194304	220734.259	19.00	18.12	0.0526
gost12/512	chan	8388608	442657.966	18.95	18.07	0.0528
gost12/512	chan	16777216	884506.500	18.97	18.09	0.0527
gost12/512	chan	33554432	1769409.921	18.96	18.08	0.0527
gost12/512	chan	67108864	3553689.618	18.88	18.01	0.0530
gost94	chan	64	21.303	3.00	2.86	0.3329
gost94	chan	128	23.733	5.39	5.14	0.1854
gost94	chan	256	26.339	9.72	9.27	0.1029
gost94	chan	512	35.053	14.61	13.93	0.0685
gost94	chan	1024	54.986	18.62	17.76	0.0537
gost94	chan	2048	92.461	22.15	21.12	0.0451
gost94	chan	4096	151.837	26.98	25.73	0.0371
gost94	chan	8192	299.464	27.36	26.09	0.0366
gost94	chan	16384	573.524	28.57	27.25	0.0350
gost94	chan	32768	1138.347	28.79	27.46	0.0347
gost94	chan	65536	2273.976	28.82	27.48	0.0347
gost94	chan	131072	4467.554	29.34	27.98	0.0341
gost94	chan	262144	8999.957	29.13	27.78	0.0343
gost94	chan	524288	17985.395	29.15	27.80	0.0343
gost94	chan	1048576	35911.551	29.20	27.85	0.0342
gost94	chan	2097152	71910.944	29.16	27.81	0.0343
gost94	chan	4194304	143674.465	29.19	27.84	0.0343
gost94	chan	8388608	286789.919	29.25	27.89	0.0342
gost94	chan	16777216	573847.969	29.24	27.89	0.0342
gost94	chan	33554432	1148216.260	29.22	27.87	0.0342
gost94	chan	67108864	2296338.596	29.22	27.87	0.0342

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
has160	chan	64	16.675	3.84	3.66	0.2605
has160	chan	128	16.857	7.59	7.24	0.1317
has160	chan	256	18.988	13.48	12.86	0.0742
has160	chan	512	19.123	26.77	25.53	0.0373
has160	chan	1024	22.591	45.33	43.23	0.0221
has160	chan	2048	29.513	69.39	66.18	0.0144
has160	chan	4096	33.834	121.06	115.45	0.0083
has160	chan	8192	51.142	160.18	152.76	0.0062
has160	chan	16384	116.660	140.44	133.93	0.0071
has160	chan	32768	186.704	175.51	167.38	0.0057
has160	chan	65536	325.338	201.44	192.11	0.0050
has160	chan	131072	633.996	206.74	197.16	0.0048
has160	chan	262144	1276.850	205.31	195.80	0.0049
has160	chan	524288	2390.026	219.36	209.20	0.0046
has160	chan	1048576	4876.832	215.01	205.05	0.0047
has160	chan	2097152	9719.561	215.77	205.77	0.0046
has160	chan	4194304	19502.831	215.06	205.10	0.0046
has160	chan	8388608	39134.818	214.35	204.42	0.0047
has160	chan	16777216	77797.763	215.65	205.66	0.0046
has160	chan	33554432	155832.927	215.32	205.35	0.0046
has160	chan	67108864	310157.879	216.37	206.35	0.0046
md4	chan	64	12.258	5.22	4.98	0.1915
md4	chan	128	17.009	7.53	7.18	0.1329
md4	chan	256	14.185	18.05	17.21	0.0554
md4	chan	512	18.605	27.52	26.25	0.0363
md4	chan	1024	17.401	58.85	56.12	0.0170
md4	chan	2048	16.931	120.96	115.36	0.0083
md4	chan	4096	24.481	167.31	159.56	0.0060
md4	chan	8192	24.493	334.46	318.97	0.0030
md4	chan	16384	34.077	480.79	458.52	0.0021
md4	chan	32768	66.210	494.91	471.98	0.0020
md4	chan	65536	103.924	630.61	601.40	0.0016
md4	chan	131072	174.313	751.93	717.10	0.0013
md4	chan	262144	337.410	776.93	740.94	0.0013
md4	chan	524288	656.840	798.20	761.22	0.0013
md4	chan	1048576	1349.555	776.98	740.99	0.0013
md4	chan	2097152	2770.914	756.84	721.78	0.0013
md4	chan	4194304	5637.288	744.03	709.56	0.0013
md4	chan	8388608	11280.695	743.63	709.18	0.0013
md4	chan	16777216	22629.943	741.37	707.03	0.0013
md4	chan	33554432	44797.053	749.03	714.33	0.0013
md4	chan	67108864	88961.174	754.36	719.41	0.0013

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
md5	chan	64	16.076	3.98	3.80	0.2512
md5	chan	128	15.330	8.35	7.96	0.1198
md5	chan	256	17.239	14.85	14.16	0.0673
md5	chan	512	21.055	24.32	23.19	0.0411
md5	chan	1024	18.631	54.96	52.41	0.0182
md5	chan	2048	13.874	147.61	140.77	0.0068
md5	chan	4096	28.593	143.25	136.61	0.0070
md5	chan	8192	35.300	232.07	221.32	0.0043
md5	chan	16384	46.576	351.77	335.47	0.0028
md5	chan	32768	86.293	379.73	362.14	0.0026
md5	chan	65536	144.759	452.72	431.75	0.0022
md5	chan	131072	272.271	481.40	459.10	0.0021
md5	chan	262144	530.338	494.30	471.40	0.0020
md5	chan	524288	1071.616	489.25	466.59	0.0020
md5	chan	1048576	2054.295	510.43	486.78	0.0020
md5	chan	2097152	4274.540	490.61	467.88	0.0020
md5	chan	4194304	8508.042	492.98	470.14	0.0020
md5	chan	8388608	16948.485	494.95	472.02	0.0020
md5	chan	16777216	33713.238	497.64	474.59	0.0020
md5	chan	33554432	67295.567	498.61	475.51	0.0020
md5	chan	67108864	134536.159	498.82	475.71	0.0020
ripemd160	chan	64	16.177	3.96	3.78	0.2528
ripemd160	chan	128	18.224	7.02	6.69	0.1424
ripemd160	chan	256	16.100	15.90	15.16	0.0629
ripemd160	chan	512	19.776	25.89	24.69	0.0386
ripemd160	chan	1024	17.600	58.18	55.48	0.0172
ripemd160	chan	2048	23.202	88.27	84.18	0.0113
ripemd160	chan	4096	36.197	113.16	107.92	0.0088
ripemd160	chan	8192	55.618	147.29	140.47	0.0068
ripemd160	chan	16384	89.298	183.48	174.98	0.0055
ripemd160	chan	32768	163.452	200.47	191.18	0.0050
ripemd160	chan	65536	316.615	206.99	197.40	0.0048
ripemd160	chan	131072	595.411	220.14	209.94	0.0045
ripemd160	chan	262144	1236.500	212.00	202.18	0.0047
ripemd160	chan	524288	2453.094	213.73	203.83	0.0047
ripemd160	chan	1048576	4821.859	217.46	207.39	0.0046
ripemd160	chan	2097152	9624.901	217.89	207.80	0.0046
ripemd160	chan	4194304	19332.896	216.95	206.90	0.0046
ripemd160	chan	8388608	38462.963	218.10	208.00	0.0046
ripemd160	chan	16777216	77305.571	217.02	206.97	0.0046
ripemd160	chan	33554432	154134.436	217.70	207.61	0.0046
ripemd160	chan	67108864	308017.342	217.87	207.78	0.0046

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha1	chan	64	11.699	5.47	5.22	0.1828
sha1	chan	128	16.971	7.54	7.19	0.1326
sha1	chan	256	21.489	11.91	11.36	0.0839
sha1	chan	512	19.503	26.25	25.03	0.0381
sha1	chan	1024	21.848	46.87	44.70	0.0213
sha1	chan	2048	29.474	69.48	66.26	0.0144
sha1	chan	4096	38.880	105.35	100.47	0.0095
sha1	chan	8192	52.311	156.60	149.35	0.0064
sha1	chan	16384	104.422	156.90	149.63	0.0064
sha1	chan	32768	186.265	175.92	167.77	0.0057
sha1	chan	65536	356.510	183.83	175.31	0.0054
sha1	chan	131072	732.481	178.94	170.65	0.0056
sha1	chan	262144	1390.674	188.50	179.77	0.0053
sha1	chan	524288	2794.589	187.61	178.92	0.0053
sha1	chan	1048576	5666.662	185.04	176.47	0.0054
sha1	chan	2097152	11274.083	186.02	177.40	0.0054
sha1	chan	4194304	22384.413	187.38	178.70	0.0053
sha1	chan	8388608	44893.851	186.85	178.19	0.0054
sha1	chan	16777216	89583.948	187.28	178.60	0.0053
sha1	chan	33554432	179476.627	186.96	178.30	0.0053
sha1	chan	67108864	358060.844	187.42	178.74	0.0053
sha2/224	chan	64	16.803	3.81	3.63	0.2625
sha2/224	chan	128	25.975	4.93	4.70	0.2029
sha2/224	chan	256	17.427	14.69	14.01	0.0681
sha2/224	chan	512	19.999	25.60	24.41	0.0391
sha2/224	chan	1024	23.714	43.18	41.18	0.0232
sha2/224	chan	2048	28.356	72.22	68.87	0.0138
sha2/224	chan	4096	39.125	104.69	99.84	0.0096
sha2/224	chan	8192	67.373	121.59	115.96	0.0082
sha2/224	chan	16384	114.944	142.54	135.94	0.0070
sha2/224	chan	32768	208.624	157.07	149.79	0.0064
sha2/224	chan	65536	402.074	162.99	155.44	0.0061
sha2/224	chan	131072	790.984	165.71	158.03	0.0060
sha2/224	chan	262144	1617.618	162.06	154.55	0.0062
sha2/224	chan	524288	3335.559	157.18	149.90	0.0064
sha2/224	chan	1048576	6383.376	164.27	156.66	0.0061
sha2/224	chan	2097152	13038.321	160.85	153.40	0.0062
sha2/224	chan	4194304	25534.610	164.26	156.65	0.0061
sha2/224	chan	8388608	51363.694	163.32	155.75	0.0061
sha2/224	chan	16777216	102184.617	164.19	156.58	0.0061
sha2/224	chan	33554432	204770.910	163.86	156.27	0.0061
sha2/224	chan	67108864	408986.113	164.09	156.49	0.0061

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha2/256	chan	64	13.277	4.82	4.60	0.2075
sha2/256	chan	128	19.124	6.69	6.38	0.1494
sha2/256	chan	256	19.781	12.94	12.34	0.0773
sha2/256	chan	512	18.566	27.58	26.30	0.0363
sha2/256	chan	1024	25.777	39.73	37.89	0.0252
sha2/256	chan	2048	29.566	69.27	66.06	0.0144
sha2/256	chan	4096	40.995	99.91	95.28	0.0100
sha2/256	chan	8192	65.436	125.19	119.39	0.0080
sha2/256	chan	16384	119.248	137.39	131.03	0.0073
sha2/256	chan	32768	210.021	156.02	148.79	0.0064
sha2/256	chan	65536	398.845	164.31	156.70	0.0061
sha2/256	chan	131072	814.252	160.97	153.51	0.0062
sha2/256	chan	262144	1594.737	164.38	156.76	0.0061
sha2/256	chan	524288	3284.236	159.64	152.24	0.0063
sha2/256	chan	1048576	6360.665	164.85	157.21	0.0061
sha2/256	chan	2097152	12879.805	162.82	155.28	0.0061
sha2/256	chan	4194304	25554.023	164.13	156.53	0.0061
sha2/256	chan	8388608	51217.124	163.79	156.20	0.0061
sha2/256	chan	16777216	102793.353	163.21	155.65	0.0061
sha2/256	chan	33554432	205362.422	163.39	155.82	0.0061
sha2/256	chan	67108864	410713.621	163.40	155.83	0.0061
sha2/384	chan	64	16.093	3.98	3.80	0.2515
sha2/384	chan	128	19.283	6.64	6.33	0.1506
sha2/384	chan	256	19.173	13.35	12.73	0.0749
sha2/384	chan	512	15.438	33.16	31.62	0.0302
sha2/384	chan	1024	19.257	53.18	50.72	0.0188
sha2/384	chan	2048	24.780	82.65	78.82	0.0121
sha2/384	chan	4096	34.955	117.18	111.75	0.0085
sha2/384	chan	8192	51.124	160.24	152.82	0.0062
sha2/384	chan	16384	80.303	204.03	194.58	0.0049
sha2/384	chan	32768	132.846	246.66	235.23	0.0041
sha2/384	chan	65536	265.755	246.60	235.18	0.0041
sha2/384	chan	131072	560.938	233.67	222.85	0.0043
sha2/384	chan	262144	988.111	265.30	253.01	0.0038
sha2/384	chan	524288	2097.101	250.01	238.43	0.0040
sha2/384	chan	1048576	4052.254	258.76	246.77	0.0039
sha2/384	chan	2097152	8430.166	248.77	237.25	0.0040
sha2/384	chan	4194304	16524.694	253.82	242.06	0.0039
sha2/384	chan	8388608	32690.644	256.61	244.72	0.0039
sha2/384	chan	16777216	65928.610	254.48	242.69	0.0039
sha2/384	chan	33554432	131147.144	255.85	244.00	0.0039
sha2/384	chan	67108864	261909.752	256.23	244.36	0.0039

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha2/512	chan	64	14.696	4.35	4.15	0.2296
sha2/512	chan	128	14.747	8.68	8.28	0.1152
sha2/512	chan	256	18.955	13.51	12.88	0.0740
sha2/512	chan	512	17.453	29.34	27.98	0.0341
sha2/512	chan	1024	19.623	52.18	49.76	0.0192
sha2/512	chan	2048	28.576	71.67	68.35	0.0140
sha2/512	chan	4096	32.684	125.32	119.51	0.0080
sha2/512	chan	8192	45.296	180.85	172.47	0.0055
sha2/512	chan	16384	96.165	170.37	162.48	0.0059
sha2/512	chan	32768	141.902	230.92	220.22	0.0043
sha2/512	chan	65536	266.761	245.67	234.29	0.0041
sha2/512	chan	131072	525.861	249.25	237.70	0.0040
sha2/512	chan	262144	1026.426	255.39	243.56	0.0039
sha2/512	chan	524288	1982.423	264.47	252.22	0.0038
sha2/512	chan	1048576	4079.091	257.06	245.15	0.0039
sha2/512	chan	2097152	8173.593	256.58	244.69	0.0039
sha2/512	chan	4194304	16560.791	253.27	241.54	0.0039
sha2/512	chan	8388608	32790.890	255.82	243.97	0.0039
sha2/512	chan	16777216	66363.193	252.81	241.10	0.0040
sha2/512	chan	33554432	131126.695	255.89	244.04	0.0039
sha2/512	chan	67108864	261618.834	256.51	244.63	0.0039
sha3/224	chan	64	21.485	2.98	2.84	0.3357
sha3/224	chan	128	20.995	6.10	5.82	0.1640
sha3/224	chan	256	28.379	9.02	8.60	0.1109
sha3/224	chan	512	26.385	19.40	18.50	0.0515
sha3/224	chan	1024	37.213	27.52	26.25	0.0363
sha3/224	chan	2048	44.702	45.81	43.69	0.0218
sha3/224	chan	4096	82.917	49.40	47.11	0.0202
sha3/224	chan	8192	135.066	60.65	57.84	0.0165
sha3/224	chan	16384	273.627	59.88	57.11	0.0167
sha3/224	chan	32768	565.408	57.95	55.27	0.0173
sha3/224	chan	65536	1082.407	60.55	57.74	0.0165
sha3/224	chan	131072	2085.830	62.84	59.93	0.0159
sha3/224	chan	262144	4198.790	62.43	59.54	0.0160
sha3/224	chan	524288	8651.360	60.60	57.79	0.0165
sha3/224	chan	1048576	16462.508	63.69	60.74	0.0157
sha3/224	chan	2097152	32781.360	63.97	61.01	0.0156
sha3/224	chan	4194304	65327.248	64.20	61.23	0.0156
sha3/224	chan	8388608	130599.556	64.23	61.25	0.0156
sha3/224	chan	16777216	261305.770	64.21	61.24	0.0156
sha3/224	chan	33554432	523304.540	64.12	61.15	0.0156
sha3/224	chan	67108864	1049258.054	63.96	61.00	0.0156

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha3/256	chan	64	20.645	3.10	2.96	0.3226
sha3/256	chan	128	17.673	7.24	6.90	0.1381
sha3/256	chan	256	20.841	12.28	11.71	0.0814
sha3/256	chan	512	22.468	22.79	21.73	0.0439
sha3/256	chan	1024	29.703	34.47	32.87	0.0290
sha3/256	chan	2048	49.498	41.38	39.46	0.0242
sha3/256	chan	4096	84.469	48.49	46.24	0.0206
sha3/256	chan	8192	148.267	55.25	52.69	0.0181
sha3/256	chan	16384	275.673	59.43	56.68	0.0168
sha3/256	chan	32768	573.787	57.11	54.46	0.0175
sha3/256	chan	65536	1099.406	59.61	56.85	0.0168
sha3/256	chan	131072	2242.905	58.44	55.73	0.0171
sha3/256	chan	262144	4353.141	60.22	57.43	0.0166
sha3/256	chan	524288	8496.808	61.70	58.84	0.0162
sha3/256	chan	1048576	17313.245	60.56	57.75	0.0165
sha3/256	chan	2097152	34698.785	60.44	57.64	0.0165
sha3/256	chan	4194304	69195.045	60.62	57.81	0.0165
sha3/256	chan	8388608	138699.791	60.48	57.68	0.0165
sha3/256	chan	16777216	277520.653	60.45	57.65	0.0165
sha3/256	chan	33554432	553986.943	60.57	57.76	0.0165
sha3/256	chan	67108864	1112034.339	60.35	57.55	0.0166
sha3/384	chan	64	16.909	3.78	3.60	0.2642
sha3/384	chan	128	17.836	7.18	6.85	0.1393
sha3/384	chan	256	25.270	10.13	9.66	0.0987
sha3/384	chan	512	28.528	17.95	17.12	0.0557
sha3/384	chan	1024	33.976	30.14	28.74	0.0332
sha3/384	chan	2048	62.251	32.90	31.38	0.0304
sha3/384	chan	4096	116.844	35.06	33.44	0.0285
sha3/384	chan	8192	198.163	41.34	39.42	0.0242
sha3/384	chan	16384	368.863	44.42	42.36	0.0225
sha3/384	chan	32768	696.431	47.05	44.87	0.0213
sha3/384	chan	65536	1411.572	46.43	44.28	0.0215
sha3/384	chan	131072	2780.530	47.14	44.96	0.0212
sha3/384	chan	262144	5696.507	46.02	43.89	0.0217
sha3/384	chan	524288	11729.965	44.70	42.63	0.0224
sha3/384	chan	1048576	22631.943	46.33	44.18	0.0216
sha3/384	chan	2097152	45229.615	46.37	44.22	0.0216
sha3/384	chan	4194304	90474.236	46.36	44.21	0.0216
sha3/384	chan	8388608	180798.208	46.40	44.25	0.0216
sha3/384	chan	16777216	357082.526	46.98	44.80	0.0213
sha3/384	chan	33554432	705869.673	47.54	45.34	0.0210
sha3/384	chan	67108864	1429203.781	46.96	44.78	0.0213

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha3/512	chan	64	20.287	3.15	3.00	0.3170
sha3/512	chan	128	20.529	6.24	5.95	0.1604
sha3/512	chan	256	21.476	11.92	11.37	0.0839
sha3/512	chan	512	34.955	14.65	13.97	0.0683
sha3/512	chan	1024	44.561	22.98	21.92	0.0435
sha3/512	chan	2048	74.665	27.43	26.16	0.0365
sha3/512	chan	4096	136.535	30.00	28.61	0.0333
sha3/512	chan	8192	257.469	31.82	30.35	0.0314
sha3/512	chan	16384	488.473	33.54	31.99	0.0298
sha3/512	chan	32768	981.445	33.39	31.84	0.0300
sha3/512	chan	65536	1925.380	34.04	32.46	0.0294
sha3/512	chan	131072	3794.489	34.54	32.94	0.0289
sha3/512	chan	262144	7743.284	33.85	32.28	0.0295
sha3/512	chan	524288	15583.064	33.64	32.08	0.0297
sha3/512	chan	1048576	32408.317	32.36	30.86	0.0309
sha3/512	chan	2097152	62371.096	33.62	32.06	0.0297
sha3/512	chan	4194304	123085.922	34.08	32.50	0.0293
sha3/512	chan	8388608	238776.948	35.13	33.50	0.0285
sha3/512	chan	16777216	477548.684	35.13	33.50	0.0285
sha3/512	chan	33554432	954836.041	35.14	33.51	0.0285
sha3/512	chan	67108864	1908770.161	35.16	33.53	0.0284
snfru/128	chan	64	27.046	2.37	2.26	0.4226
snfru/128	chan	128	26.813	4.77	4.55	0.2095
snfru/128	chan	256	37.293	6.86	6.54	0.1457
snfru/128	chan	512	55.779	9.18	8.75	0.1089
snfru/128	chan	1024	89.140	11.49	10.96	0.0871
snfru/128	chan	2048	153.216	13.37	12.75	0.0748
snfru/128	chan	4096	285.589	14.34	13.68	0.0697
snfru/128	chan	8192	548.091	14.95	14.26	0.0669
snfru/128	chan	16384	1075.845	15.23	14.52	0.0657
snfru/128	chan	32768	2129.051	15.39	14.68	0.0650
snfru/128	chan	65536	4246.079	15.43	14.72	0.0648
snfru/128	chan	131072	8470.825	15.47	14.75	0.0646
snfru/128	chan	262144	16922.039	15.49	14.77	0.0646
snfru/128	chan	524288	33827.213	15.50	14.78	0.0645
snfru/128	chan	1048576	67691.815	15.49	14.77	0.0646
snfru/128	chan	2097152	135411.754	15.49	14.77	0.0646
snfru/128	chan	4194304	270947.261	15.48	14.76	0.0646
snfru/128	chan	8388608	541801.902	15.48	14.76	0.0646
snfru/128	chan	16777216	1084717.885	15.47	14.75	0.0647
snfru/128	chan	33554432	2167447.082	15.48	14.76	0.0646
snfru/128	chan	67108864	4334993.436	15.48	14.76	0.0646

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
snefru/256	chan	64	27.178	2.35	2.24	0.4247
snefru/256	chan	128	29.867	4.29	4.09	0.2333
snefru/256	chan	256	44.452	5.76	5.49	0.1736
snefru/256	chan	512	68.470	7.48	7.13	0.1337
snefru/256	chan	1024	121.359	8.44	8.05	0.1185
snefru/256	chan	2048	214.002	9.57	9.13	0.1045
snefru/256	chan	4096	411.515	9.95	9.49	0.1005
snefru/256	chan	8192	806.572	10.16	9.69	0.0985
snefru/256	chan	16384	1601.828	10.23	9.76	0.0978
snefru/256	chan	32768	3186.231	10.28	9.80	0.0972
snefru/256	chan	65536	6356.773	10.31	9.83	0.0970
snefru/256	chan	131072	12696.632	10.32	9.84	0.0969
snefru/256	chan	262144	25384.426	10.33	9.85	0.0968
snefru/256	chan	524288	50732.168	10.33	9.85	0.0968
snefru/256	chan	1048576	101535.758	10.33	9.85	0.0968
snefru/256	chan	2097152	203023.774	10.33	9.85	0.0968
snefru/256	chan	4194304	406137.759	10.33	9.85	0.0968
snefru/256	chan	8388608	812467.135	10.32	9.84	0.0969
snefru/256	chan	16777216	1625438.647	10.32	9.84	0.0969
snefru/256	chan	33554432	3250354.911	10.32	9.84	0.0969
snefru/256	chan	67108864	6500059.358	10.32	9.84	0.0969
tiger	chan	64	18.861	3.39	3.23	0.2947
tiger	chan	128	17.914	7.15	6.82	0.1400
tiger	chan	256	19.037	13.45	12.83	0.0744
tiger	chan	512	20.563	24.90	23.75	0.0402
tiger	chan	1024	18.651	54.90	52.36	0.0182
tiger	chan	2048	24.828	82.49	78.67	0.0121
tiger	chan	4096	33.537	122.13	116.47	0.0082
tiger	chan	8192	43.274	189.31	180.54	0.0053
tiger	chan	16384	69.409	236.05	225.11	0.0042
tiger	chan	32768	121.780	269.08	256.61	0.0037
tiger	chan	65536	225.924	290.08	276.64	0.0034
tiger	chan	131072	431.732	303.60	289.54	0.0033
tiger	chan	262144	845.789	309.94	295.58	0.0032
tiger	chan	524288	1657.410	316.33	301.68	0.0032
tiger	chan	1048576	3298.446	317.90	303.17	0.0031
tiger	chan	2097152	6627.898	316.41	301.75	0.0032
tiger	chan	4194304	13468.445	311.42	296.99	0.0032
tiger	chan	8388608	27318.034	307.07	292.84	0.0033
tiger	chan	16777216	54970.079	305.21	291.07	0.0033
tiger	chan	33554432	108408.966	309.52	295.18	0.0032
tiger	chan	67108864	216527.668	309.93	295.57	0.0032

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
tth	chan	64	17.959	3.56	3.40	0.2806
tth	chan	128	18.873	6.78	6.47	0.1474
tth	chan	256	13.198	19.40	18.50	0.0516
tth	chan	512	18.732	27.33	26.06	0.0366
tth	chan	1024	18.624	54.98	52.43	0.0182
tth	chan	2048	24.363	84.06	80.17	0.0119
tth	chan	4096	31.928	128.29	122.35	0.0078
tth	chan	8192	48.598	168.57	160.76	0.0059
tth	chan	16384	78.620	208.39	198.74	0.0048
tth	chan	32768	139.139	235.51	224.60	0.0042
tth	chan	65536	260.106	251.96	240.29	0.0040
tth	chan	131072	502.426	260.88	248.79	0.0038
tth	chan	262144	987.770	265.39	253.10	0.0038
tth	chan	524288	1957.121	267.89	255.48	0.0037
tth	chan	1048576	3915.307	267.81	255.40	0.0037
tth	chan	2097152	8182.746	256.29	244.42	0.0039
tth	chan	4194304	15928.837	263.32	251.12	0.0038
tth	chan	8388608	32084.946	261.45	249.34	0.0038
tth	chan	16777216	64203.885	261.31	249.20	0.0038
tth	chan	33554432	128168.039	261.80	249.67	0.0038
tth	chan	67108864	256415.618	261.72	249.60	0.0038
whirlpool	chan	64	18.690	3.42	3.26	0.2920
whirlpool	chan	128	21.911	5.84	5.57	0.1712
whirlpool	chan	256	24.202	10.58	10.09	0.0945
whirlpool	chan	512	28.374	18.04	17.20	0.0554
whirlpool	chan	1024	38.547	26.56	25.33	0.0376
whirlpool	chan	2048	56.015	36.56	34.87	0.0274
whirlpool	chan	4096	93.676	43.73	41.70	0.0229
whirlpool	chan	8192	161.359	50.77	48.42	0.0197
whirlpool	chan	16384	309.736	52.90	50.45	0.0189
whirlpool	chan	32768	595.158	55.06	52.51	0.0182
whirlpool	chan	65536	1177.542	55.65	53.07	0.0180
whirlpool	chan	131072	2345.091	55.89	53.30	0.0179
whirlpool	chan	262144	4674.933	56.07	53.47	0.0178
whirlpool	chan	524288	9347.355	56.09	53.49	0.0178
whirlpool	chan	1048576	18695.158	56.09	53.49	0.0178
whirlpool	chan	2097152	37565.798	55.83	53.24	0.0179
whirlpool	chan	4194304	74943.342	55.97	53.38	0.0179
whirlpool	chan	8388608	150668.143	55.68	53.10	0.0180
whirlpool	chan	16777216	300210.327	55.88	53.29	0.0179
whirlpool	chan	33554432	600638.937	55.86	53.27	0.0179
whirlpool	chan	67108864	1201339.426	55.86	53.27	0.0179

Maxima

Digest	Method	Bytes	Micros	MB/Second	MiB/Second	Micros/Byte	Gain	R/G
ed2k	chan	524288	637.955	821.83	783.76	0.0012	79.558	1.0
md4	chan	524288	656.840	798.20	761.22	0.0013	77.270	1.3
edonr/512	chan	1048576	2036.234	514.96	491.10	0.0019	49.851	1.0
edonr/384	chan	1048576	2049.788	511.55	487.85	0.0020	49.521	1.0
md5	chan	1048576	2054.295	510.43	486.78	0.0020	49.412	1.0
tiger	chan	1048576	3298.446	317.90	303.17	0.0031	30.774	1.3
tth	chan	524288	1957.121	267.89	255.48	0.0037	25.933	1.0
sha2/384	chan	262144	988.111	265.30	253.01	0.0038	25.682	1.0
sha2/512	chan	524288	1982.423	264.47	252.22	0.0038	25.602	1.0
edonr/256	chan	524288	1993.972	262.94	250.76	0.0038	25.454	1.0
edonr/224	chan	262144	1004.838	260.88	248.79	0.0038	25.255	1.3
ripemd160	chan	131072	595.411	220.14	209.94	0.0045	21.311	1.0
has160	chan	524288	2390.026	219.36	209.20	0.0046	21.235	1.3
blake2b	chan	65536	334.922	195.68	186.61	0.0051	18.943	1.0
sha1	chan	262144	1390.674	188.50	179.77	0.0053	18.248	1.3
sha2/224	chan	131072	790.984	165.71	158.03	0.0060	16.042	1.0
sha2/256	chan	1048576	6360.665	164.85	157.21	0.0061	15.958	1.3
blake2s	chan	4194304	35556.941	117.96	112.50	0.0085	11.419	1.0
aich	chan	4194304	38575.072	108.73	103.69	0.0092	10.526	1.0
btih	chan	262144	2440.792	107.40	102.42	0.0093	10.397	1.0
sha3/224	chan	8388608	130599.556	64.23	61.25	0.0156	6.218	1.0
sha3/256	chan	524288	8496.808	61.70	58.84	0.0162	5.973	1.3
whirlpool	chan	524288	9347.355	56.09	53.49	0.0178	5.430	1.3
sha3/384	chan	33554432	705869.673	47.54	45.34	0.0210	4.602	1.3
sha3/512	chan	67108864	1908770.161	35.16	33.53	0.0284	3.404	1.3
gost94	chan	131072	4467.554	29.34	27.98	0.0341	2.840	1.4
gost12/256	chan	524288	25208.836	20.80	19.84	0.0481	2.014	1.0
gost12/512	chan	65536	3372.702	19.43	18.53	0.0515	1.881	1.2
snefru/128	chan	524288	33827.213	15.50	14.78	0.0645	1.500	1.5
snefru/256	chan	262144	25384.426	10.33	9.85	0.0968	1.000	1.0