- All Hashes
 Speed Maxima, Sorted From Fastest Down

All Hashes

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	$_{ m chan}$	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	$_{ m chan}$	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					
	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
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 67108864 626088.832 107.19 102.25 0.0093 btih chan 67108864 626088.832 107.19 102.22 0.0093 btih chan 67108864 626088.832 107.19 102.22 0.0093 btih chan 67108864 626088.832 107.19 102.22 0.0093 dcd2k chan 128 16.118 7.94 7.57 0.1259 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 0.0109 ed2k chan 4096 22.510 181.96 173.53 0.0055 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 65536 96.775 677.20 645.83 0.0015 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 0.0013 ed2k chan 262144 327.609 800.17 763.10 0.0013 ed2k chan 262144 327.609 800.17 763.10 0.0013 ed2k chan 1048576 1316.587 796.44 759.54 0.0013 ed2k chan 1048576 1316.587 796.44 759.54 0.0013 ed2k chan 1048576 1316.587 796.44 759.54 0.0013 ed2k chan 8388608 11014.635 761.59 726.31 0.0013 ed2k chan 1048576 1316.587 796.44 759.54 0.0013 ed2k chan 1048576 105.00000000000000000000000000000000000	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
btih chan 16777216 156645.066 107.10 102.14 0.0093 btih chan 33554432 312953.949 107.22 102.25 0.0093 btih chan 67108664 626088.832 107.19 102.22 0.0093 cd2k chan 64 17.338 3.69 3.52 0.2709 cd2k chan 128 16.118 7.94 7.57 0.1259 cd2k chan 256 14.571 17.57 16.76 0.0569 cd2k chan 512 21.221 24.13 23.01 0.0414 cd2k chan 1024 19.493 52.53 50.10 0.0190 cd2k chan 4096 22.510 181.96 173.53 0.0055 cd2k chan 4096 22.510 181.96 173.53 0.0055 cd2k chan 8192 23.598 347.15 331.07 0.0029 cd2k chan 16384 35.881 456.62 435.47 0.0022 cd2k chan 65536 96.775 677.20 645.83 0.0015 cd2k chan 32768 57.651 568.39 542.06 0.0118 cd2k chan 262144 327.609 800.17 763.10 0.0019 cd2k chan 262144 327.609 800.17 763.10 0.0019 cd2k chan 262144 327.609 800.17 763.10 0.0018 cd2k chan 262144 327.609 800.17 763.10 0.0012 cd2k chan 31072 171.705 763.36 728.00 0.0013 cd2k chan 32768 57.551 568.39 542.06 0.0018 cd2k chan 32768 57.651 568.39 542.06 0.0018 cd2k chan 32768 57.651 568.39 542.06 0.0018 cd2k chan 32768 57.651 568.39 542.06 0.0013 cd2k chan 36536 96.775 677.20 645.83 0.0015 cd2k chan 36536 96.775 677.20 645.83 0.0015 cd2k chan 36536 96.775 677.20 763.50 0.0013 cd2k chan 36536 96.775 677.20 763.36 728.00 0.0013 cd2k chan 36536 96.775 677.20 763.10 0.0012 cd2k chan 36536 96.775 677.20 645.83 783.76 0.0013 cd2k chan 1048576 1316.587 796.44 759.54 0.0013 cd2k chan 1048576 1316.587 796.44 759.54 0.0013 cd2k chan 4194304 5394.292 777.54 741.52 0.0013 cd2k chan 4194304 5394.292 747.54 741.52 0.0033 cd2k chan 6710864 86514.064 775.70 739.70 0.0014 cd2k chan 6710864 86514.064 775.	btih	chan	4194304	39155.111	107.12	102.16	0.0093
btih chan 67108864 626088.832 107.19 102.25 0.0093 btih chan 67108864 626088.832 107.19 102.22 0.0093 cd2k chan 64 17.338 3.69 3.52 0.2709 cd2k chan 128 16.118 7.94 7.57 0.1259 cd2k chan 128 16.118 7.94 7.57 0.1259 cd2k chan 256 14.571 17.57 16.76 0.0569 cd2k chan 512 21.221 24.13 23.01 0.0414 cd2k chan 1024 19.493 52.53 50.10 0.0190 cd2k chan 2048 18.286 112.00 106.81 0.0089 cd2k chan 4096 22.510 181.96 173.53 0.0055 cd2k chan 16384 35.881 456.62 435.47 0.0022 cd2k chan 16384 35.881 456.62 435.47 0.0022 cd2k chan 32768 57.651 568.39 542.06 0.0018 cd2k chan 65536 96.775 677.20 645.83 0.0015 cd2k chan 262144 327.609 800.17 763.10 0.0012 cd2k chan 524288 637.955 821.83 783.76 0.0012 cd2k chan 1048576 1316.587 796.44 759.54 0.0013 cd2k chan 4194304 5394.292 777.54 741.52 0.0013 cd2k chan 4194304 5394.292 777.54 741.52 0.0013 cd2k chan 16777216 21831.982 768.47 732.87 0.0013 cd2k chan 33554432 43712.224 767.62 732.06 0.0013 cd2k chan 16777216 21831.982 768.47 732.87 0.0013 cd2k chan 16777216 21831.982 768.47 732.87 0.0013 cd2k chan 16777216 21831.982 768.47 732.87 0.0013 cd2k chan 1670864 86514.064 775.70 739.77 0.0013 cd2k chan 161864 86514.064 775.70 739.77 0.0013 cd2k chan 1626 14.283 4.48 4.27 0.232 cd0mr/224 chan 64 14.283 4.48 4.27 0.232 cd0mr/224 chan 64 14.283 1.48 4.27 0.232 cd0mr/224 chan 6710864 86514.064 775.70 739.77 0.0013 cd2k chan 67108864 86514.064 775.70 739.77 0.0013 cd2k chan 67108864 86514.064 775.70 739.77 0.0013 cd0mr/224 chan 6584 77.518 211.36 0.001 cd0mr/224 chan 665 36 0.686 0.243.92 232.62 0.0041 cd0mr/224 chan 665 36 0.686 0.243.92 232.62 0.0041 cd0mr/224 chan 665 36 0.686 0.243.92 232.62 0.0041 cd0mr/224 chan 6656 0.268.680 0.243.92 232.62 0.0041 cd0mr/224 chan 6656 0.268.680 0.243.92 232.62 0.0041 cd0mr/224 chan 6656 0.268.680 0.243.92 232.62 0.0041 cd0mr/224 chan 6656.268.680 0.243.92 232.62 0.0041 cd0mr/224 chan 16384 77.518 211.36 0.0075 0.0038 cd0mr/224 chan 16384 77.518 211.36 0.0075 0.0038 cd0m	btih	chan	8388608	78274.227	107.17	102.21	0.0093
btih chan 67108864 626088.832 107.19 102.22 0.0093 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 0.0560 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 18.286 112.00 166.81 0.0089 ed2k chan 4096 22.510 181.96 173.53 0.0055 ed2k chan 16384 35.881 456.62 435.47 0.0022 ed2k chan 16384 35.881 456.62 435.47 0.0022 ed2k chan 63768 96.775 677.20 645.83 0.0013 ed2k chan	btih	chan	16777216	156645.066	107.10	102.14	0.0093
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 4096 22.510 181.96 173.53 0.0055 ed2k chan 8192 23.598 347.15 331.07 0.0029 ed2k chan 8192 23.598 347.15 331.07 0.0029 ed2k chan 32768 57.651 568.39 542.06 0.0018 ed2k chan 32768 57.651 568.39 542.06 0.0018 ed2k chan 32768 57.651 568.39 542.06 0.0018 ed2k chan 2044 327.609 800.17 763.10 0.0019 ed2k chan 31072 171.705 763.36 728.00 0.0013 ed2k chan 262144 327.609 800.17 763.10 0.0012 ed2k chan 340.0013 ed2k chan 3524288 637.955 821.83 783.76 0.0012 ed2k chan 340.0013 ed2k chan 340.0013 ed2k chan 340.0013 ed2k chan 340.0013 ed2k chan 3524288 637.955 821.83 783.76 0.0012 ed2k chan 340.0013 ed2k chan 340.0013 ed2k chan 3524288 637.955 821.83 783.76 0.0012 ed2k chan 340.0013 ed2k chan 3588608 11014.635 761.59 726.31 0.0013 ed2k chan 4194304 5394.292 777.54 741.52 0.0013 ed2k chan 33554432 43712.224 767.62 732.06 0.0013 ed2k chan 33554432 43712.224 767.62 732.06 0.0013 ed2k chan 33554432 43712.224 767.62 732.06 0.0013 ed2k chan 6717886 86514.064 775.70 739.77 0.0013 ed2k chan 3688608 11014.635 761.59 726.31 0.0013 ed2k chan 67108864 86514.064 775.70 739.77 0.0013 ed2k chan 5242 ed0m/224 chan 526 21.517 11.90 11.35 0.0841 ed0m/224 chan 512 18.055 28.36 27.05 0.033 ed0m/224 chan 310.4 23.609 43.37 41.36 0.0231 ed0m/224 chan 310.4 310.9 43.4 48 69.09 161.26 0.0093 ed0m/224 chan 326 47.5 48.4 84.8 69.09 161.26 0.0093 ed0m/224 chan 32768 143.786 27.89 27.33 69.93 0.0136 ed0m/224 chan 31072 52.893 25.067 239.06 0.0040 ed0m/224 chan 32768 143.786 227.89 217.33 0.0044 ed0m/224 chan 326244 1004.838 260.88 248.79 0.0038 ed0m/224 chan 1648576 4062.178 2360.88 248.79 0.0038 ed0m/224	btih	chan	33554432	312953.949	107.22	102.25	0.0093
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	btih	chan	67108864	626088.832	107.19	102.22	0.0093
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	64	17.338	3.69	3.52	0.2709
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	128	16.118	7.94	7.57	0.1259
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	256	14.571	17.57	16.76	0.0569
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	512	21.221	24.13	23.01	0.0414
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	1024	19.493	52.53	50.10	0.0190
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	2048	18.286	112.00	106.81	0.0089
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	4096	22.510	181.96	173.53	0.0055
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	8192	23.598	347.15	331.07	0.0029
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	16384	35.881	456.62	435.47	0.0022
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	32768	57.651	568.39	542.06	0.0018
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	65536	96.775	677.20	645.83	0.0015
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	131072	171.705	763.36	728.00	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	262144	327.609	800.17	763.10	0.0012
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	524288	637.955	821.83	783.76	0.0012
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	1048576	1316.587	796.44	759.54	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	2097152	2635.250	795.81	758.94	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	4194304	5394.292	777.54	741.52	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	8388608	11014.635	761.59	726.31	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	16777216	21831.982	768.47	732.87	0.0013
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ed2k	chan	33554432	43712.224	767.62	732.06	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ed2k	chan	67108864	86514.064	775.70	739.77	0.0013
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/224	chan	64	14.283	4.48	4.27	0.2232
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			128	15.765	8.12	7.74	0.1232
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			256		11.90		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/224		512	18.055	28.36	27.05	0.0353
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1024	23.609	43.37	41.36	0.0231
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		chan	2048	27.928	73.33	69.93	0.0136
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			4096	31.991			0.0078
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		chan	8192	48.448	169.09	161.26	0.0059
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		_					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					227.89		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
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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 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 512 18.205 28.12 26.82 0.036 edonr/256 chan 512 18.205 28.12 26.82 0.036 edonr/256 chan 1024 20.196 50.70 48.35 0.0197 edonr/256 chan 4096 33.882 120.89 115.29 0.083 edonr/256 chan 4096 33.882 120.89 115.29 0.083 edonr/256 chan 8192 445.222 181.15 172.76 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 65536 280.280 233.82 222.99 0.0043 edonr/256 chan 512 18.205 28.12 26.44 242.88 0.0356 edonr/256 chan 52768 138.538 236.53 225.57 0.0042 edonr/256 chan 52768 138.538 236.53 225.57 0.0042 edonr/256 chan 65536 280.280 233.82 222.99 0.0043 edonr/256 chan 65536 280.280 233.82 222.99 0.0043 edonr/256 chan 524288 1993.972 262.94 250.76 0.0038 edonr/256 chan 524288 1993.972 262.94 250.76 0.0038 edonr/256 chan 131072 514.646 254.68 242.88 0.0039 edonr/256 chan 542428 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 1048576 4039.043 259.61 247.58 0.0039 edonr/256 chan 16777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 16777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 16777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 16778216 856.91 7.72 12.98 12.38 0.0079 edonr/256 chan 167864 26040.579 257.84 245.90 0.0039 edonr/256 chan 64 18.547 3.45 3.29 0.2898 edonr/256 chan 64 18.547 3.45 3.29 0.2898 edonr/256 chan 6710864 26040.579 257.67 245.73 0.0039 edonr/384 chan 64 18.547 3.399 0.9039 edonr/384 chan 64 18.547 3.999 0.97	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
edomr/224 chan 16777216 64982.862 258.18 246.22 0.0039 cdomr/224 chan 33554432 129964.202 258.18 246.22 0.0039 cdomr/256 chan 64 15.961 4.01 3.82 0.2494 cdomr/256 chan 128 18.530 6.91 6.59 0.1448 edomr/256 chan 512 18.205 28.12 26.82 0.0356 edomr/256 chan 1024 20.196 50.70 48.35 0.0197 edomr/256 chan 1024 20.196 50.70 48.35 0.0120 edomr/256 chan 4096 33.882 120.89 115.29 0.0038 edomr/256 chan 4096 33.882 120.89 115.29 0.0083 edomr/256 chan 16384 77.772 210.67 200.91 0.0047 edomr/256 chan 131072 514.66 254.68 242.88 0.039	edonr/224	chan	4194304	16164.631	259.47	247.45	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 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 1512 18.205 28.12 26.82 0.0356 edonr/256 chan 1024 20.196 50.70 48.35 0.0197 edonr/256 chan 4096 33.882 120.89 115.29 0.083 edonr/256 chan 4096 33.882 120.89 115.29 0.0083 edonr/256 chan 1634 47.772 210.67 200.91 0.0047 edonr/256 chan 32768 138.538 236.53 225.57 0.0042 edonr/256 chan 262144 1002.701 261.44 249.33 0.038	edonr/224	chan	8388608	32605.032	257.28	245.36	0.0039
edonr/224 chan 67108864 259699.686 258.41 246.44 0.0039 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 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 18192 45.222 181.15 172.76 0.0035 edonr/256 chan 32768 138.538 236.53 225.57 0.0042 edonr/256 chan 6536 280.280 233.82 222.99 0.003 <		chan	16777216	64982.862	258.18	246.22	0.0039
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 4096 33.882 120.89 115.29 0.0038 edonr/256 chan 8192 45.222 181.15 172.76 0.0035 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 32768 138.538 236.53 225.57 0.0042 edonr/256 chan 31072 514.646 254.68 242.88 0.0039 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 27618 138.538 259.61 247.58 0.0039 edonr/256 chan 1048576 4039.043 259.61 247.58 0.0039 edonr/256 chan 6717216 65593.798 255.77 243.92 0.0039 edonr/256 chan 6777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 6777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 6777216 65593.798 255.77 243.92 0.0039 edonr/256 chan 6778216 65593.798 255.77 243.92 0.0039 edonr/256 chan 6778864 260440.579 257.67 245.73 0.0039 edonr/256 chan 67108864 26049.599 257.67 245.73 0.0039 edonr/384 chan 64 18.547 3.45 3.29 0.2898 edonr/384 chan 64 18.547 3.45 3.99 3.95 0.0020 edonr/384 chan 64 18.547 3.99 3.95 0.0020 edonr/384 chan 64 324288 108.80 3.99 34.52 3	edonr/224	chan	33554432	129964.202	258.18	246.22	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/224	chan	67108864	259699.686	258.41	246.44	0.0039
$\begin{array}{c} {\rm edonr}/256 & {\rm chan} & 256 & 20.033 & 12.78 & 12.19 & 0.0783 \\ {\rm edonr}/256 & {\rm chan} & 512 & 18.205 & 28.12 & 26.82 & 0.0356 \\ {\rm chan} & 1024 & 20.196 & 50.70 & 48.35 & 0.0197 \\ {\rm edonr}/256 & {\rm chan} & 2048 & 24.542 & 83.45 & 79.58 & 0.0120 \\ {\rm edonr}/256 & {\rm chan} & 4096 & 33.882 & 120.89 & 115.29 & 0.0083 \\ {\rm edonr}/256 & {\rm chan} & 4096 & 33.882 & 120.89 & 115.29 & 0.0083 \\ {\rm edonr}/256 & {\rm chan} & 8192 & 45.222 & 181.15 & 172.76 & 0.0055 \\ {\rm chan} & 16384 & 77.772 & 210.67 & 200.91 & 0.0047 \\ {\rm edonr}/256 & {\rm chan} & 16384 & 77.772 & 210.67 & 200.91 & 0.0047 \\ {\rm edonr}/256 & {\rm chan} & 32768 & 138.538 & 236.53 & 225.57 & 0.0042 \\ {\rm edonr}/256 & {\rm chan} & 65536 & 280.280 & 233.82 & 222.99 & 0.0043 \\ {\rm edonr}/256 & {\rm chan} & 131072 & 514.646 & 254.68 & 242.88 & 0.0339 \\ {\rm edonr}/256 & {\rm chan} & 262144 & 1002.701 & 261.44 & 249.33 & 0.038 \\ {\rm edonr}/256 & {\rm chan} & 524288 & 1993.972 & 262.94 & 250.76 & 0.0038 \\ {\rm edonr}/256 & {\rm chan} & 1048576 & 4039.043 & 259.61 & 247.58 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 2097152 & 8211.769 & 255.38 & 243.55 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 4194304 & 16260.477 & 257.94 & 245.99 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 33554432 & 130137.076 & 257.84 & 245.90 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 16777216 & 65593.798 & 255.77 & 243.92 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 67108864 & 260440.579 & 257.67 & 245.73 & 0.0039 \\ {\rm edonr}/256 & {\rm chan} & 67108864 & 260440.579 & 257.67 & 245.73 & 0.0039 \\ {\rm edonr}/384 & {\rm chan} & 128 & 16.913 & 7.57 & 7.22 & 0.1321 \\ {\rm edonr}/384 & {\rm chan} & 256 & 19.722 & 12.98 & 12.38 & 0.0770 \\ {\rm edonr}/384 & {\rm chan} & 256 & 19.722 & 12.98 & 12.38 & 0.0770 \\ {\rm edonr}/384 & {\rm chan} & 256 & 19.722 & 12.98 & 12.38 & 0.0770 \\ {\rm edonr}/384 & {\rm chan} & 256 & 80.158 & 408.79 & 339.85 & 0.0024 \\ {\rm edonr}/384 & {\rm chan} & 4096 & 28.235 & 145.07 & 138.35 & 0.0069 \\ {\rm edonr}/384 & {\rm chan} & 4096 & 28.235 & 145.07 & 138.35 & 0.0024 \\ {\rm edonr}/384 & {\rm chan} & 65536 & 140.836 & 465.34 & 443.78 & 0.0021 \\ {$	edonr/256	chan	64	15.961	4.01	3.82	0.2494
$\begin{array}{c} \operatorname{edom'/256} & \operatorname{chan} & 512 & 18.205 & 28.12 & 26.82 & 0.0356 \\ \operatorname{edom'/256} & \operatorname{chan} & 1024 & 20.196 & 50.70 & 48.35 & 0.0197 \\ \operatorname{edom'/256} & \operatorname{chan} & 2048 & 24.542 & 83.45 & 79.58 & 0.0120 \\ \operatorname{edom'/256} & \operatorname{chan} & 4096 & 33.882 & 120.89 & 115.29 & 0.0083 \\ \operatorname{edom'/256} & \operatorname{chan} & 4096 & 33.882 & 120.89 & 115.29 & 0.0083 \\ \operatorname{edom'/256} & \operatorname{chan} & 16384 & 77.772 & 210.67 & 200.91 & 0.0047 \\ \operatorname{edom'/256} & \operatorname{chan} & 32768 & 138.538 & 236.53 & 225.57 & 0.0042 \\ \operatorname{edom'/256} & \operatorname{chan} & 65536 & 280.280 & 233.82 & 222.99 & 0.0043 \\ \operatorname{edom'/256} & \operatorname{chan} & 65536 & 280.280 & 233.82 & 222.99 & 0.0043 \\ \operatorname{edom'/256} & \operatorname{chan} & 32768 & 138.638 & 236.53 & 225.57 & 0.0042 \\ \operatorname{edom'/256} & \operatorname{chan} & 131072 & 514.646 & 254.68 & 242.88 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 262144 & 1002.701 & 261.44 & 249.33 & 0.0038 \\ \operatorname{edom'/256} & \operatorname{chan} & 524288 & 1993.972 & 262.94 & 250.76 & 0.0088 \\ \operatorname{edom'/256} & \operatorname{chan} & 1048576 & 4039.043 & 259.61 & 247.58 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 1048576 & 4039.043 & 259.61 & 247.58 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 1048576 & 8211.769 & 255.38 & 243.55 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 4194304 & 16260.477 & 257.94 & 245.99 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 16777216 & 65593.798 & 255.77 & 243.92 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 16777216 & 65593.798 & 255.77 & 243.92 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 16777216 & 65593.798 & 255.77 & 243.92 & 0.0039 \\ \operatorname{edom'/256} & \operatorname{chan} & 167864 & 260440.579 & 257.67 & 245.73 & 0.0039 \\ \operatorname{edom'/384} & \operatorname{chan} & 64 & 18.547 & 3.45 & 3.29 & 0.2888 \\ \operatorname{edom'/384} & \operatorname{chan} & 64 & 18.547 & 3.45 & 3.29 & 0.2888 \\ \operatorname{edom'/384} & \operatorname{chan} & 256 & 19.722 & 12.98 & 12.38 & 0.0770 \\ \operatorname{edom'/384} & \operatorname{chan} & 256 & 19.722 & 12.98 & 12.38 & 0.0770 \\ \operatorname{edom'/384} & \operatorname{chan} & 2048 & 20.990 & 97.57 & 93.05 & 0.0102 \\ \operatorname{edom'/384} & \operatorname{chan} & 4096 & 28.235 & 145.07 & 138.35 & 0.0069 \\ \operatorname{edom'/384} & \operatorname{chan} & 4096 & 28.235 & 145.07 & 138.35 & 0.0069 \\ \operatorname{edom'/384} & \operatorname{chan} & 65536 & 140.836 & 465.34 & 443.78 & 0.0021 \\ \operatorname{edom'/384} & \operatorname{chan} &$	edonr/256	chan	128	18.530	6.91	6.59	0.1448
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	256	20.033	12.78	12.19	0.0783
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	512	18.205	28.12	26.82	0.0356
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	1024	20.196	50.70	48.35	0.0197
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	2048	24.542	83.45	79.58	0.0120
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	4096	33.882	120.89	115.29	0.0083
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	8192	45.222	181.15	172.76	0.0055
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	16384	77.772	210.67	200.91	0.0047
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	32768	138.538	236.53	225.57	0.0042
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	65536	280.280	233.82	222.99	0.0043
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	131072	514.646	254.68	242.88	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	262144	1002.701	261.44	249.33	0.0038
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	524288	1993.972	262.94	250.76	0.0038
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 20.999 97.57 93.05 0.0102	edonr/256	chan	1048576	4039.043	259.61	247.58	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	2097152	8211.769	255.38	243.55	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	4194304	16260.477	257.94	245.99	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	8388608	32703.003	256.51	244.63	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/256	chan	16777216	65593.798	255.77	243.92	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/256	chan	33554432	130137.076	257.84	245.90	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/256	chan	67108864	260440.579	257.67	245.73	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/384	chan	64	18.547	3.45	3.29	0.2898
$\begin{array}{cccccccccccccccccccccccccccccccccccc$,						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			256		12.98	12.38	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$,		512	21.133			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1024	18.363	55.76	53.18	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							0.0069
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$							0.0021
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							0.0021
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							0.0020
$\frac{1048576}{2049.788}$ $\frac{511.55}{487.85}$ $\frac{487.85}{10.0020}$							0.0020
							0.0020
	edonr/384	chan	2097152	4150.356	505.29	481.88	0.0020

edomr/384 chan 8388608 16986.384 493.84 470.96 0.0020 edomr/384 chan 16777216 34037.816 492.90 470.07 0.0020 edomr/384 chan 33554432 67897.827 494.19 471.30 0.0020 edomr/384 chan 67108864 136062.442 493.22 470.37 0.0020 edomr/512 chan 64 16.566 3.86 3.68 0.2588 edomr/512 chan 128 16.619 7.70 7.34 0.1298 edomr/512 chan 512 16.893 30.31 28.91 0.033 edomr/512 chan 1024 19.142 53.49 51.01 0.0187 edomr/512 chan 2048 21.139 96.88 92.39 0.0103 edomr/512 chan 4096 20.495 199.85 190.59 0.0050 edomr/512 chan 8192 31.963 256.30 244.43 0.0038 edomr/512 chan 32768 80.246 408.34 389.42 0.0022 edomr/512 chan 32768 80.246 408.34 389.42 0.0022 edomr/512 chan 65536 140.197 467.46 445.80 0.0021 edomr/512 chan 5224288 1038.619 504.79 481.41 0.0020 edomr/512 chan 1048576 2036.234 514.96 491.10 0.0016 edomr/512 chan 1048576 2036.234 514.96 491.10 0.0016 edomr/512 chan 1048576 2036.234 514.96 491.10 0.0020 edomr/512 chan 1048576 2036.234 54.96 491.10 0.0020 edomr/512 chan 1048576 2036.234 54.96 491.10 0.0020 edomr/512 chan 1048576 2036.234 54.96 491.10 0.0020 edomr/512 chan 16777216 3451.4076 486.10 463.58 0.0021 edomr/512 chan 16777216 3451.4076 486.10 463.58 0.0020 edomr/512 chan 6408864 137653.122 487.52 464.94 0.0022 edo	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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 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 512 16.893 30.31 28.91 0.0330 edonr/512 chan 1024 19.142 53.49 51.01 0.0183 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 4096 20.495 199.85 190.59 0.0050 edonr/512 chan 16384 47.111 347.77 331.66 0.0023 edonr/512 chan 65536 140.197 467.46 445.80 0.0023 edonr/512 chan 65536 140.197 467.46 445.80 0.0024 edonr/512 chan 131072 263.821 496.82 473.80 0.0020 edonr/512 chan 10244 514.887 509.13 485.54 0.0020 edonr/512 chan 262144 514.887 509.13 485.54 0.0020 edonr/512 chan 262144 514.887 509.13 485.54 0.0020 edonr/512 chan 36586 140.197 467.46 445.80 0.0020 edonr/512 chan 36586 140.198 494.90 495.90 472.90 0.0020 edonr/512 chan 1048576 2036.234 514.96 491.10 0.0015 edonr/512 chan 1048576 2036.234 514.96 491.10 0.0015 edonr/512 chan 3838608 16913.90 495.96 472.98 0.0020 edonr/512 chan 3858608 16913.90 495.90 472.99 0.0020 edonr/512 chan 3858608 16913.90 495.96 472.98 0.0020 edonr/512 chan 36584 171.65 0.0020 edonr/512 chan 36586 1801.390 495.96 472.98 0.0020 edonr/512 chan 6710864 137653.122 487.52 464.94 0.0021 edonr/512 chan 6710864 137653.122 487.52 464.94 0.0026 edonr/512 chan 6710864 1376	edonr/384	chan	4194304	8524.111	492.05	469.26	0.0020
edomr/384 chan 67108864 136062.442 493.22 470.37 0.0020 edomr/384 chan 67108864 136062.442 493.22 470.37 0.0020 edomr/512 chan 64 16.566 3.86 3.68 0.2588 edomr/512 chan 128 16.619 7.70 7.34 0.1298 edomr/512 chan 256 17.742 14.43 13.76 0.0698 edomr/512 chan 512 16.893 30.31 28.91 0.0330 edomr/512 chan 1024 19.142 53.49 51.01 0.0187 edomr/512 chan 2048 21.139 96.88 92.39 0.0105 edomr/512 chan 4096 20.495 199.85 190.59 0.0050 edomr/512 chan 8192 31.963 256.30 244.43 0.0038 edomr/512 chan 16384 47.111 347.77 331.66 0.0029 edomr/512 chan 32768 80.246 408.34 389.42 0.0024 edomr/512 chan 32768 80.246 408.34 389.42 0.0024 edomr/512 chan 65536 140.197 467.46 445.80 0.0021 edomr/512 chan 262144 514.887 509.13 485.54 0.0022 edomr/512 chan 262144 514.887 509.13 485.54 0.0022 edomr/512 chan 262144 514.887 509.13 485.54 0.0020 edomr/512 chan 32768 80.361 90.479 481.41 0.0001 edomr/512 chan 262144 514.887 509.13 485.54 0.0020 edomr/512 chan 340.48576 2036.234 514.96 491.10 0.0016 edomr/512 chan 349.4930 48472.980 495.02 472.09 0.0020 edomr/512 chan 4194304 8472.980 495.02 472.09 0.0020 edomr/512 chan 3385648 16913.920 495.60 472.98 0.0020 edomr/512 chan 16777216 34514.076 486.10 463.58 0.0021 edomr/512 chan 33554432 74571.002 449.97 429.12 0.0022 edomr/512 chan 67108864 137653.122 487.52 464.94 0.0021 edomr/512 chan 64 29.899 2.14 2.04 0.4672 gost12/256 chan 256 39.434 6.49 6.19 0.1540 gost12/256 chan 1024 75.455 13.57 12.94 0.0022 edomr/512 chan 64 29.899 2.14 2.04 0.4672 gost12/256 chan 1024 75.455 13.57 12.94 0.0023 gost12/256 chan 4096 220.461 18.58 17.72 0.0538 gost12/256 chan 4096 220.461 18.58 17.72 0.0538 gost12/256 chan 4096 220.461 18.58 17.72 0.0538 gost12/256 chan 65536 3251.657 20.15 19.22 0.0049 gost12/256 chan 65536 3251.657 20.15 19.22 0.0049 gost12/256 chan 131072 6711.174 19.53 18.63 0.0505 gost12/256 chan 10244 75.455 13.57 12.94 0.0536 gost12/256 chan 10244 75.455 13.57 12.94 0.0536 gost12/256 chan 102488 2520.836 20.80 19.84 0.0498 gost12/256 chan 1048576 53030.733 19.77 18.85	edonr/384	chan	8388608	16986.384	493.84	470.96	0.0020
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 0.0699 cdonr/512 chan 1024 19.142 53.49 51.01 0.0187 edonr/512 chan 2048 21.139 96.88 92.39 0.0105 edonr/512 chan 8192 31.963 256.30 244.43 0.0039 edonr/512 chan 8192 31.963 256.30 244.43 0.0039 edonr/512 chan 64.84 47.111 347.77 331.66 0.0099 edonr/512 chan 65536 140.197 467.46 445.80 0.0021 edonr/512 chan 65536 140.197 467.46 445.80 0.0022 edonr/512 chan 65536 140.197 467.46 445.80 0.0024 edonr/512 chan 131072 263.821 496.82 473.80 0.0026 edonr/512 chan 262144 514.887 509.13 485.54 0.0026 edonr/512 chan 14086 20.495 140.68 2473.80 0.0024 edonr/512 chan 65536 140.197 467.46 445.80 0.0021 edonr/512 chan 65536 140.197 467.46 445.80 0.0022 edonr/512 chan 131072 263.821 496.82 473.80 0.0026 edonr/512 chan 262144 514.887 509.13 485.54 0.0026 edonr/512 chan 262144 514.887 509.13 485.54 0.0026 edonr/512 chan 267144 514.887 509.13 485.54 0.0026 edonr/512 chan 1494304 8472.980 494.56 471.65 0.0026 edonr/512 chan 2097152 4240.398 494.56 471.65 0.0026 edonr/512 chan 8388608 16913.920 495.96 472.98 0.0026 edonr/512 chan 3354432 74571.002 449.97 429.12 0.0025 edonr/512 chan 67108864 137653.122 487.52 464.94 0.0021 edonr/512 chan 6710	edonr/384	chan	16777216	34037.816	492.90	470.07	0.0020
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 0.0336 edonr/512 chan 1024 19.142 53.49 51.01 0.0187 edonr/512 chan 4096 20.495 199.85 190.59 0.0056 edonr/512 chan 8192 31.963 256.30 244.43 0.0036 edonr/512 chan 16.884 47.111 347.77 331.66 0.0022 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 2048 21.487 509.13 485.54 0.0026 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 262144 514.887 509.13 485.54 0.0022 edonr/512 chan 262144 514.887 509.13 485.54 0.0022 edonr/512 chan 262144 514.887 509.13 485.54 0.0022 edonr/512 chan 267149 444.398 494.56 471.65 0.0022 edonr/512 chan 65586 140.197 467.46 445.80 0.0022 edonr/512 chan 267146 445.89 0.0022 edonr/512 chan 3358868 16913.920 495.96 479.98 0.0026 edonr/512 chan 65864 140.497 481.41 0.0026 edonr/512 chan 65864 140.498 494.56 471.65 0.0022 edonr/512 chan 67108864 137653.122 487.52 464.94 0.0022 edonr/512 chan 6777216 34514.076 486.10 463.58 0.0022 edonr/512 chan 6778216 34514.076 486.10 463.58 0.0022 edonr/512 chan 67108864 137653.122 487.52 464.94 0.0021 gost12/256 chan 256 39.434 6.49 6.19 0.0025 edonr/512 chan 67108864 137653.122 487.52 464.94 0.0021 gost12/256 chan 256 39.434 6.49 6.19 0.154 0.0025 gost12/256 chan 2048 123.582 16.57 15.80 0.0606 gost12/256 chan 31024 75.455 13.57 12.94 0.0737 gost12/256 chan 8192 417.172 19.64 18.73 0.0508 gost12/256 chan 8192 417.172 19.64 18.73 0.0508 gost12/256 chan 66536 3251.657 15.80 0.0606 gost12/256 chan 66536 3251.657 10.154 19.22 0.0499 gost12/256 chan 66536 3251.657 20.15 19.22 0.0499 gost12/256 chan 1048576 53030.733 19.77 18.85 0.0506	edonr/384						0.0020
edonr/512 chan 128 16.619 7.70 7.34 0.1298 edonr/512 chan 256 17.742 14.43 13.76 0.0698 edonr/512 chan 512 16.893 30.31 28.91 0.0336 edonr/512 chan 1024 19.142 53.49 51.01 0.0187 edonr/512 chan 4096 20.495 199.85 190.59 0.0056 edonr/512 chan 8192 31.963 256.30 244.43 0.0038 edonr/512 chan 32768 80.246 408.34 389.42 0.0024 edonr/512 chan 32768 80.246 408.34 389.42 0.0024 edonr/512 chan 131072 263.821 496.82 473.80 0.0020 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 262144 514.887 509.13 485.54 0.0020 edonr/512 chan 1048576 2036.234 514.96 491.10 0.0016 edonr/512 chan 1048576 2036.234 514.96 491.10 0.0016 edonr/512 chan 2097152 4240.398 494.56 471.65 0.0020 edonr/512 chan 1048576 2036.234 514.96 491.10 0.0016 edonr/512 chan 8388608 16913.920 495.96 472.09 0.0020 edonr/512 chan 16777216 34514.076 486.10 463.58 0.0021 edonr/512 chan 16777216 34514.076 486.10 463.58 0.0021 edonr/512 chan 67108864 137653.122 487.52 464.94 0.0021 edonr/512 chan 67108864 137658.122 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.0022 0.00	edonr/384	chan	67108864	136062.442	493.22	470.37	0.0020
$\begin{array}{c} \operatorname{edonr}/512 & \operatorname{chan} & 256 & 17.742 & 14.43 & 13.76 & 0.0695 \\ \operatorname{edonr}/512 & \operatorname{chan} & 512 & 16.893 & 30.31 & 28.91 & 0.033 \\ \operatorname{edonr}/512 & \operatorname{chan} & 1024 & 19.142 & 53.49 & 51.01 & 0.0187 \\ \operatorname{edonr}/512 & \operatorname{chan} & 2048 & 21.139 & 96.88 & 92.39 & 0.0105 \\ \operatorname{edonr}/512 & \operatorname{chan} & 4096 & 20.495 & 199.85 & 190.59 & 0.0055 \\ \operatorname{edonr}/512 & \operatorname{chan} & 8192 & 31.963 & 256.30 & 244.43 & 0.0033 \\ \operatorname{edonr}/512 & \operatorname{chan} & 16384 & 47.111 & 347.77 & 331.66 & 0.0025 \\ \operatorname{edonr}/512 & \operatorname{chan} & 32768 & 80.246 & 408.34 & 389.42 & 0.0024 \\ \operatorname{edonr}/512 & \operatorname{chan} & 65536 & 140.197 & 467.46 & 445.80 & 0.0021 \\ \operatorname{edonr}/512 & \operatorname{chan} & 32768 & 80.246 & 408.34 & 389.42 & 0.0022 \\ \operatorname{edonr}/512 & \operatorname{chan} & 65536 & 140.197 & 467.46 & 445.80 & 0.0021 \\ \operatorname{edonr}/512 & \operatorname{chan} & 31072 & 263.821 & 496.82 & 473.80 & 0.0022 \\ \operatorname{edonr}/512 & \operatorname{chan} & 524288 & 1038.619 & 504.79 & 481.41 & 0.0026 \\ \operatorname{edonr}/512 & \operatorname{chan} & 524288 & 1038.619 & 504.79 & 481.41 & 0.0026 \\ \operatorname{edonr}/512 & \operatorname{chan} & 1048576 & 2036.234 & 514.96 & 491.10 & 0.0015 \\ \operatorname{edonr}/512 & \operatorname{chan} & 2097152 & 4240.398 & 494.56 & 471.65 & 0.0026 \\ \operatorname{edonr}/512 & \operatorname{chan} & 4194304 & 8472.980 & 495.96 & 472.98 & 0.0026 \\ \operatorname{edonr}/512 & \operatorname{chan} & 16777216 & 34514.076 & 486.10 & 463.58 & 0.0021 \\ \operatorname{edonr}/512 & \operatorname{chan} & 6710864 & 137653.122 & 487.52 & 464.94 & 0.0021 \\ \operatorname{edonr}/512 & \operatorname{chan} & 6710864 & 137653.122 & 487.52 & 464.94 & 0.0021 \\ \operatorname{edonr}/512 & \operatorname{chan} & 64 & 29.899 & 2.14 & 2.04 & 0.4677 \\ \operatorname{gost12}/256 & \operatorname{chan} & 256 & 39.434 & 6.49 & 6.19 & 0.1544 \\ \operatorname{gost12}/256 & \operatorname{chan} & 256 & 39.434 & 6.49 & 6.19 & 0.1544 \\ \operatorname{gost12}/256 & \operatorname{chan} & 2048 & 123.582 & 16.57 & 15.80 & 0.0665 \\ \operatorname{gost12}/256 & \operatorname{chan} & 4096 & 220.461 & 18.58 & 17.72 & 0.0538 \\ \operatorname{gost12}/256 & \operatorname{chan} & 4096 & 220.461 & 18.58 & 17.72 & 0.0538 \\ \operatorname{gost12}/256 & \operatorname{chan} & 4096 & 220.461 & 18.58 & 17.72 & 0.0538 \\ \operatorname{gost12}/256 & \operatorname{chan} & 65536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost12}/256 & \operatorname{chan} & 65536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost12}/256 & \operatorname{chan} & 65536 & 3$	edonr/512	chan	64	16.566	3.86	3.68	0.2588
$\begin{array}{c} \operatorname{edom}'512 & \operatorname{chan} & 512 & 16.893 & 30.31 & 28.91 & 0.0336 \\ \operatorname{edom}'512 & \operatorname{chan} & 1024 & 19.142 & 53.49 & 51.01 & 0.0187 \\ \operatorname{edom}'512 & \operatorname{chan} & 2048 & 21.139 & 96.88 & 92.39 & 0.0105 \\ \operatorname{edom}'512 & \operatorname{chan} & 4096 & 20.495 & 199.85 & 190.59 & 0.0056 \\ \operatorname{edom}'512 & \operatorname{chan} & 4096 & 20.495 & 199.85 & 190.59 & 0.0056 \\ \operatorname{edom}'512 & \operatorname{chan} & 16384 & 47.111 & 347.77 & 331.66 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 32768 & 80.246 & 408.34 & 389.42 & 0.0024 \\ \operatorname{edom}'512 & \operatorname{chan} & 65536 & 140.197 & 467.46 & 445.80 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 32768 & 80.246 & 408.34 & 389.42 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 65536 & 140.197 & 467.46 & 445.80 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 331072 & 263.821 & 496.82 & 473.80 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 262144 & 514.887 & 509.13 & 485.54 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 524288 & 1038.619 & 504.79 & 481.41 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 1048576 & 2036.234 & 514.96 & 491.10 & 0.0015 \\ \operatorname{edom}'512 & \operatorname{chan} & 2097152 & 4240.398 & 494.56 & 471.65 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 4194304 & 8472.980 & 495.02 & 472.09 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 16777216 & 34514.076 & 486.10 & 463.58 & 0.0021 \\ \operatorname{edom}'512 & \operatorname{chan} & 16777216 & 34514.076 & 486.10 & 463.58 & 0.0022 \\ \operatorname{edom}'512 & \operatorname{chan} & 6710864 & 137653.122 & 487.52 & 464.94 & 0.0021 \\ \end{array}$ $\begin{array}{c} \operatorname{gost}12/256 & \operatorname{chan} & 64 & 29.899 & 2.14 & 2.04 & 0.4675 \\ \operatorname{gost}12/256 & \operatorname{chan} & 256 & 39.434 & 6.49 & 6.19 & 0.1544 \\ \operatorname{gost}12/256 & \operatorname{chan} & 256 & 39.434 & 6.49 & 6.19 & 0.1544 \\ \operatorname{gost}12/256 & \operatorname{chan} & 2048 & 123.582 & 16.57 & 15.80 & 0.0605 \\ \operatorname{gost}12/256 & \operatorname{chan} & 4096 & 220.461 & 18.58 & 17.72 & 0.0538 \\ \operatorname{gost}12/256 & \operatorname{chan} & 4096 & 220.461 & 18.58 & 17.73 & 0.0506 \\ \operatorname{gost}12/256 & \operatorname{chan} & 6536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost}12/256 & \operatorname{chan} & 65536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost}12/256 & \operatorname{chan} & 65536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost}12/256 & \operatorname{chan} & 65536 & 3251.657 & 20.15 & 19.22 & 0.0496 \\ \operatorname{gost}12/256 & \operatorname{chan} & 65536 & 325$	edonr/512	chan	128	16.619	7.70	7.34	0.1298
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	256	17.742	14.43	13.76	0.0693
$\begin{array}{c} \operatorname{edom}/512 & \operatorname{chan} & 2048 & 21.139 & 96.88 & 92.39 & 0.0105 \\ \operatorname{edom}/512 & \operatorname{chan} & 4096 & 20.495 & 199.85 & 190.59 & 0.0056 \\ \operatorname{edom}/512 & \operatorname{chan} & 8192 & 31.963 & 256.30 & 244.43 & 0.0035 \\ \operatorname{edom}/512 & \operatorname{chan} & 16384 & 47.111 & 347.77 & 331.66 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 32768 & 80.246 & 408.34 & 389.42 & 0.0024 \\ \operatorname{edom}/512 & \operatorname{chan} & 65536 & 140.197 & 467.46 & 445.80 & 0.0021 \\ \operatorname{edom}/512 & \operatorname{chan} & 131072 & 263.821 & 496.82 & 473.80 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 262144 & 514.887 & 509.13 & 485.54 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 524288 & 1038.619 & 504.79 & 481.41 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 524288 & 1038.619 & 504.79 & 481.41 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 1048576 & 2036.234 & 514.96 & 491.10 & 0.0015 \\ \operatorname{edom}/512 & \operatorname{chan} & 2097152 & 4240.398 & 494.56 & 471.65 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 2097152 & 4240.398 & 494.56 & 471.65 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 4194304 & 8472.980 & 495.02 & 472.09 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 16777216 & 34514.076 & 486.10 & 463.58 & 0.0021 \\ \operatorname{edom}/512 & \operatorname{chan} & 16777216 & 34514.076 & 486.10 & 463.58 & 0.0022 \\ \operatorname{edom}/512 & \operatorname{chan} & 67108864 & 137653.122 & 487.52 & 464.94 & 0.0021 \\ \end{array}$	edonr/512	chan	512	16.893	30.31	28.91	0.0330
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	1024	19.142	53.49	51.01	0.0187
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	2048	21.139	96.88	92.39	0.0103
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	4096	20.495	199.85	190.59	0.0050
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	8192	31.963	256.30	244.43	0.0039
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	16384	47.111	347.77	331.66	0.0029
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	32768	80.246	408.34	389.42	0.0024
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	65536	140.197	467.46	445.80	0.0021
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	131072	263.821	496.82	473.80	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	262144	514.887	509.13	485.54	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	524288	1038.619	504.79	481.41	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	1048576	2036.234	514.96	491.10	0.0019
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	2097152	4240.398	494.56	471.65	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	4194304	8472.980	495.02	472.09	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	8388608	16913.920	495.96	472.98	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	16777216	34514.076	486.10	463.58	0.0021
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	33554432	74571.002	449.97	429.12	0.0022
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	edonr/512	chan	67108864	137653.122	487.52	464.94	0.0021
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256	chan	64	29.899	2.14	2.04	0.4672
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		chan	128	33.288	3.85	3.67	0.2601
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- ,	chan	256	39.434	6.49	6.19	0.1540
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- ,	chan	512	52.348	9.78	9.33	0.1022
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- ,	chan	1024	75.455	13.57	12.94	0.0737
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256	chan	2048	123.582	16.57	15.80	0.0603
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256	chan	4096	220.461	18.58	17.72	0.0538
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256	chan	8192	417.172	19.64	18.73	0.0509
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- ,	chan	16384	898.623		17.39	0.0548
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256						0.0500
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256		65536	3251.657			0.0496
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256						0.0512
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	gost12/256		262144	12974.820	20.20	19.26	0.0495
gost12/256 chan 1048576 53030.733 19.77 18.85 0.0506	gost12/256		524288	25208.836	20.80	19.84	0.0481
	gost12/256						0.0506
~ ,	gost12/256	chan	2097152	108511.590	19.33	18.43	0.0517

Digest M	Iethod	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
gost12/256 ch	han	4194304	206888.523	20.27	19.33	0.0493
gost12/256 ch	han	8388608	427049.185	19.64	18.73	0.0509
gost12/256 ch	han	16777216	825859.090	20.31	19.37	0.0492
- ,	han	33554432	1715600.077	19.56	18.65	0.0511
gost12/256 ch	han	67108864	3529702.000	19.01	18.13	0.0526
gost12/512 ch	han	64	36.165	1.77	1.69	0.5651
gost12/512 ch	han	128	33.754	3.79	3.61	0.2637
gost12/512 ch	han	256	40.367	6.34	6.05	0.1577
gost12/512 ch	han	512	55.306	9.26	8.83	0.1080
gost12/512 ch	han	1024	93.325	10.97	10.46	0.0911
gost12/512 ch	han	2048	136.701	14.98	14.29	0.0667
gost12/512 ch	han	4096	233.826	17.52	16.71	0.0571
gost12/512 ch	han	8192	464.654	17.63	16.81	0.0567
gost12/512 ch	han	16384	969.634	16.90	16.12	0.0592
gost12/512 ch	han	32768	1860.721	17.61	16.79	0.0568
gost12/512 ch	han	65536	3372.702	19.43	18.53	0.0515
gost12/512 ch	han	131072	7100.117	18.46	17.60	0.0542
gost12/512 ch	han	262144	14111.046	18.58	17.72	0.0538
gost12/512 ch	han	524288	27790.036	18.87	18.00	0.0530
gost12/512 ch	han	1048576	55519.987	18.89	18.01	0.0529
gost12/512 ch	han	2097152	110738.918	18.94	18.06	0.0528
gost12/512 ch	han	4194304	220734.259	19.00	18.12	0.0526
gost12/512 ch	han	8388608	442657.966	18.95	18.07	0.0528
gost12/512 ch	han	16777216	884506.500	18.97	18.09	0.0527
gost12/512 ch	han	33554432	1769409.921	18.96	18.08	0.0527
gost12/512 ch	han	67108864	3553689.618	18.88	18.01	0.0530
gost94 cł	han	64	21.303	3.00	2.86	0.3329
gost94 cł	han	128	23.733	5.39	5.14	0.1854
gost94 cł	han	256	26.339	9.72	9.27	0.1029
gost94 cł	han	512	35.053	14.61	13.93	0.0685
gost94 cł	han	1024	54.986	18.62	17.76	0.0537
	han	2048	92.461	22.15	21.12	0.0451
	han	4096	151.837	26.98	25.73	0.0371
	han	8192	299.464	27.36	26.09	0.0366
	han	16384	573.524	28.57	27.25	0.0350
~	han	32768	1138.347	28.79	27.46	0.0347
~	han	65536	2273.976	28.82	27.48	0.0347
~	han	131072	4467.554	29.34	27.98	0.0341
~	han	262144	8999.957	29.13	27.78	0.0343
~	han	524288	17985.395	29.15	27.80	0.0343
9	han	1048576	35911.551	29.20	27.85	0.0342
~	han	2097152	71910.944	29.16	27.81	0.0343

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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
has160	chan	64	16.675	3.84	3.66	0.2605
has160	$_{ m chan}$	128	16.857	7.59	7.24	0.1317
has160	chan	256	18.988	13.48	12.86	0.0742
has 160	$_{ m chan}$	512	19.123	26.77	25.53	0.0373
has 160	chan	1024	22.591	45.33	43.23	0.0221
has160	$_{ m chan}$	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	$_{ m chan}$	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	$_{ m chan}$	16777216	77797.763	215.65	205.66	0.0046
has160	$_{ m chan}$	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	$_{ m chan}$	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	$_{ m chan}$	2097152	2770.914	756.84	721.78	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 67108864 88961.174 754.36 719.41 0.0013 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 256 17.239 14.85 14.16 0.0673 md5 chan 1024 18.631 54.96 52.41 0.0182 md5 chan 1034<	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
md4 chan 16777216 22629.943 741.37 707.03 0.0013 md4 chan 33554432 44797.053 749.03 714.33 0.0013 md5 chan 64 16.076 3.98 3.80 0.2512 md5 chan 128 15.330 8.35 7.96 0.1188 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 16384 46.576 351.77 335.47 0.0028 md5 chan 16384 46.576 351.77 335.47 0.0022 md5 chan 131	$\overline{\mathrm{md4}}$	chan	4194304	5637.288	744.03	709.56	0.0013
md4 chan 33554432 44797.053 749.03 714.33 0.0013 md4 chan 67108864 88961.174 754.36 719.41 0.0013 md5 chan 64 16.076 3.98 3.80 0.2512 md5 chan 128 15.330 8.35 7.96 0.1188 md5 chan 128 15.330 8.35 7.96 0.1188 md5 chan 152 21.055 24.32 23.19 0.0411 md5 chan 1024 18.631 54.96 52.41 0.0182 md5 chan 1024 18.631 54.96 52.41 0.0182 md5 chan 4096 28.593 143.25 136.61 0.0070 md5 chan 4096 28.593 143.25 136.61 0.0070 md5 chan 16384 46.576 351.77 335.47 0.0023 md5 chan 32768 <td>md4</td> <td>chan</td> <td>8388608</td> <td>11280.695</td> <td>743.63</td> <td>709.18</td> <td>0.0013</td>	md4	chan	8388608	11280.695	743.63	709.18	0.0013
md4 chan 67108864 88961.174 754.36 719.41 0.0013 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 1024 18.631 54.96 52.41 0.0182 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 62536 144.759 452.72 431.75 0.0022 md5 chan 131072 </td <td>md4</td> <td>chan</td> <td>16777216</td> <td>22629.943</td> <td>741.37</td> <td>707.03</td> <td>0.0013</td>	md4	chan	16777216	22629.943	741.37	707.03	0.0013
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 0.1182 md5 chan 4096 28.593 143.25 136.61 0.0070 md5 chan 8192 35.300 232.07 221.32 0.0043 md5 chan 8192 35.300 232.07 221.32 0.0043 md5 chan 32768 86.293 379.73 362.14 0.0028 md5 chan 32768 86.293 379.73 362.14 0.0028 md5 chan 65536 144.759 452.72 431.75 0.0022 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 33554432 67295.567 498.61 475.51 0.0022 md5 chan 33554432 67295.567 498.61 475.51 0.0020 md5 chan 33554432 67295.567 498.61 475.51 0.0020 md5 chan 128 18.224 7.02 6.69 0.1424 ripemd160 chan 266 16.107 15.56 18.10 10.25 19.776 25.89 24.69 0.0386 ripemd160 chan 1024 17.600 58.18 55.48 0.0172 md5 chan 275 19.776 25.89 24.69 0.0386 ripemd160 chan 1024 17.600 58.18 55.48 0.0172 md5 chan 266 16.100 15.90 15.16 0.0020 md5 chan 16777216 33713.238 497.64 475.51 0.0020 md5 chan 33564432 67295.567 498.61 475.51 0.0020 md5 chan 67108864 134536.159 498.82 475.71 0.0020 md5 chan 1624 17.600 58.18 55.48 0.0172 mipemd160 chan 1024 17.600 58.18 100.020 100.0000 100.000000000000000000	md4	chan	33554432	44797.053	749.03	714.33	0.0013
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 4096 28.593 143.25 136.61 0.0070 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 0.0022 md5 chan 32768 86.293 379.73 362.14 0.0022 md5 chan 65536 144.759 452.72 431.75 0.0022 md5 chan 131072 272.271 481.40 459.10 0.0021 md5 chan 524288	md4	chan	67108864	88961.174	754.36	719.41	0.0013
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 0.0088 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 0.0020 md5 chan 65536 144.759 452.72 431.75 0.0022 md5 chan 131072 272.271 481.40 459.10 0.0021 md5 chan 524288 1071.616 489.25 466.59 0.0020 md5 chan <	md5	chan	64	16.076	3.98	3.80	0.2512
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 0.068 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 0.0022 md5 chan 65536 144.759 452.72 431.75 0.0022 md5 chan 65536 144.759 452.72 431.75 0.0022 md5 chan 262144 530.338 494.30 471.40 0.0022 md5 chan 262148 1071.616 489.25 466.59 0.0020 md5 chan 1048576 2054.295 510.43 486.78 0.0020 md5 chan	md5	chan	128	15.330	8.35	7.96	0.1198
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 0.0021 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 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 1048576 2054.295 510.43 486.78 0.0020 md5 chan <td>md5</td> <td>chan</td> <td>256</td> <td>17.239</td> <td>14.85</td> <td>14.16</td> <td>0.0673</td>	md5	chan	256	17.239	14.85	14.16	0.0673
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 0.0026 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 262144 530.338 494.30 471.40 0.0020 md5 chan 1048576 2054.295 510.43 486.78 0.0020 md5 chan 1048576 2054.295 510.43 486.78 0.0020 md5 chan 4194304 8508.042 492.98 470.14 0.0020 md5	md5	chan	512	21.055	24.32	23.19	0.0411
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 0.0020 md5 chan 262144 503.38 494.30 471.40 0.0020 md5 chan 2624288 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 850.4295 510.43 486.78 0.0020 md5	md5	chan	1024	18.631	54.96	52.41	0.0182
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 0.0022 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 4194304 8508.042 492.98 470.14 0.0020 md5 chan 4194304 8508.042 492.98 470.14 0.0020 md5 chan 4194304 8508.042 492.98 470.14 0.0020 md5	md5	chan	2048	13.874	147.61	140.77	0.0068
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 16777216 33713.238 497.64 474.59 0.0020 md5 chan 16777216 33713.238 497.64 475.51 0.0020	md5	chan	4096	28.593	143.25	136.61	0.0070
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 0.0020 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 4194304 8508.042 492.98 470.14 0.0020 md5 chan 16777216 33713.238 497.64 474.59 0.0020 md5 chan 67108864 134536.159 498.61 475.51 0.0020	md5	chan	8192	35.300	232.07	221.32	0.0043
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 67108864 134536.159 498.82 475.71 0.0020 ripemd160 chan 64 16.177 3.96 3.78 0.2528	md5	chan	16384	46.576	351.77	335.47	0.0028
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 4194304 8508.042 492.98 470.14 0.0020 md5 chan 16777216 33713.238 497.64 474.59 0.0020 md5 chan 16777216 33713.238 497.64 475.51 0.0020 md5 chan 67108864 134536.159 498.82 475.71 0.0020 ripemd160 chan 64 16.177 3.96 3.78 0.2528	md5	chan	32768	86.293	379.73	362.14	0.0026
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 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 33713.238 497.64 475.51 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 128 18.224 7.02 6.69 0.1424	md5	chan	65536	144.759	452.72	431.75	0.0022
$\begin{array}{c} \mathrm{md5} & \mathrm{chan} & 524288 & 1071.616 & 489.25 & 466.59 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 1048576 & 2054.295 & 510.43 & 486.78 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 2097152 & 4274.540 & 490.61 & 467.88 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 4194304 & 8508.042 & 492.98 & 470.14 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 8388608 & 16948.485 & 494.95 & 472.02 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 16777216 & 33713.238 & 497.64 & 474.59 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 33554432 & 67295.567 & 498.61 & 475.51 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 67108864 & 134536.159 & 498.82 & 475.71 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 67108864 & 134536.159 & 498.82 & 475.71 & 0.0020 \\ \mathrm{md5} & \mathrm{chan} & 644 & 16.177 & 3.96 & 3.78 & 0.2528 \\ \mathrm{ripemd160} & \mathrm{chan} & 128 & 18.224 & 7.02 & 6.69 & 0.1424 \\ \mathrm{ripemd160} & \mathrm{chan} & 256 & 16.100 & 15.90 & 15.16 & 0.0629 \\ \mathrm{ripemd160} & \mathrm{chan} & 512 & 19.776 & 25.89 & 24.69 & 0.0386 \\ \mathrm{ripemd160} & \mathrm{chan} & 1024 & 17.600 & 58.18 & 55.48 & 0.0172 \\ \mathrm{ripemd160} & \mathrm{chan} & 2048 & 23.202 & 88.27 & 84.18 & 0.0113 \\ \mathrm{ripemd160} & \mathrm{chan} & 4096 & 36.197 & 113.16 & 107.92 & 0.0088 \\ \mathrm{ripemd160} & \mathrm{chan} & 8192 & 55.618 & 147.29 & 140.47 & 0.0068 \\ \mathrm{ripemd160} & \mathrm{chan} & 16384 & 89.298 & 183.48 & 174.98 & 0.0055 \\ \mathrm{ripemd160} & \mathrm{chan} & 32768 & 163.452 & 200.47 & 191.18 & 0.0056 \\ \mathrm{ripemd160} & \mathrm{chan} & 32768 & 163.452 & 200.47 & 191.18 & 0.0056 \\ \mathrm{ripemd160} & \mathrm{chan} & 32768 & 163.452 & 200.47 & 191.18 & 0.0056 \\ \mathrm{ripemd160} & \mathrm{chan} & 32768 & 163.452 & 200.47 & 191.18 & 0.0056 \\ \mathrm{ripemd160} & \mathrm{chan} & 31072 & 595.411 & 220.14 & 209.94 & 0.0045 \\ \mathrm{ripemd160} & \mathrm{chan} & 524288 & 2453.094 & 213.73 & 203.83 & 0.0047 \\ \mathrm{ripemd160} & \mathrm{chan} & 524288 & 2453.094 & 213.73 & 203.83 & 0.0047 \\ \mathrm{ripemd160} & \mathrm{chan} & 524288 & 2453.094 & 213.73 & 203.83 & 0.0047 \\ \mathrm{ripemd160} & \mathrm{chan} & 1048576 & 4821.859 & 217.46 & 207.39 & 0.0046 \\ \end{array}$	md5	chan	131072	272.271	481.40	459.10	0.0021
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 256 16.100 15.90 15.16 0.0629 ripemd160 chan 512 19.776 25.89 24.69 0.386 ripemd160 chan 1024 17.600 58.18 55.48 0.0172	md5	chan	262144	530.338	494.30	471.40	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	md5	chan	524288	1071.616	489.25	466.59	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 0.386 ripemd160 chan 1024 17.600 58.18 55.48 0.0172 ripemd160 chan 20248 23.202 88.27 84.18 0.0138	md5	chan	1048576	2054.295	510.43	486.78	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	md5	chan	2097152	4274.540	490.61	467.88	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 16384 89.298 183.48 174.98 0.0055	md5	chan	4194304	8508.042	492.98	470.14	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	md5	chan	8388608	16948.485	494.95	472.02	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 0.0045	md5	chan	16777216	33713.238	497.64	474.59	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	md5	chan	33554432	67295.567	498.61	475.51	0.0020
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 <	md5	chan	67108864	134536.159	498.82	475.71	0.0020
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	64	16.177	3.96	3.78	0.2528
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	128	18.224	7.02	6.69	0.1424
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	256	16.100	15.90	15.16	0.0629
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	512	19.776	25.89	24.69	0.0386
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	1024	17.600	58.18	55.48	0.0172
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	2048	23.202	88.27	84.18	0.0113
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	4096	36.197	113.16	107.92	0.0088
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	8192	55.618	147.29	140.47	0.0068
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	16384	89.298	183.48	174.98	0.0055
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	32768	163.452	200.47	191.18	0.0050
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	65536	316.615	206.99	197.40	0.0048
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	131072	595.411	220.14	209.94	0.0045
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ripemd160	chan	262144	1236.500	212.00	202.18	0.0047
1	ripemd160	chan	524288	2453.094	213.73	203.83	0.0047
ripemd 160 chan 2097 152 9624.901 217.89 207.80 0.0046	ripemd160	chan	1048576	4821.859	217.46	207.39	0.0046
	ripemd160	chan	2097152	9624.901	217.89	207.80	0.0046

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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
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 616777216 102184.617 164.19 156.58 0.0061 sha2/224 chan 67108864 408986.113 164.09 156.49 0.0061 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 152 18.566 27.58 26.30 0.0363 sha2/256 chan 1024 25.777 39.73 37.89 0.025 sha2/256 chan 1024 25.777 39.73 37.89 0.026 sha2/256 chan 4096 40.995 99.91 95.28 0.0100 sha2/256 chan 16384 119.248 137.39 131.03 0.0073	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha/224 chan 16777216 102184.617 164.19 156.58 0.0061 sha2/224 chan 33554432 204770.910 163.86 156.27 0.0061 sha2/256 chan 6710864 408986.113 164.09 156.49 0.0061 sha2/256 chan 64 13.277 4.82 4.60 0.2075 sha2/256 chan 128 19.124 6.69 6.38 0.144 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 1024 25.777 39.73 37.89 0.0252 sha2/256 chan 1024 25.777 39.73 37.89 0.0252 sha2/256 chan 16384 119.248 137.39 131.03 0.007 sha2/256 chan 16384 119.248 137.39 131.03 0.0073 <	sha2/224	chan	4194304	25534.610	164.26	156.65	0.0061
sha/224 chan 33554432 204770.910 163.86 156.27 0.0061 sha/224 chan 67108864 408986.113 164.09 156.49 0.0061 sha/256 chan 64 13.277 4.82 4.60 0.2075 sha/256 chan 128 19.124 6.69 6.38 0.1494 sha/256 chan 512 18.566 27.58 26.30 0.0363 sha/256 chan 1024 25.777 39.73 37.89 0.0252 sha/256 chan 1024 25.777 39.73 37.89 0.0252 sha/256 chan 4096 40.995 99.91 95.28 0.0100 sha/256 chan 4096 40.995 99.91 95.28 0.0100 sha/256 chan 16344 119.248 137.39 313.03 0.003 sha/256 chan 32768 210.021 156.02 148.79 0.0061 sh	sha2/224	chan	8388608	51363.694	163.32	155.75	0.0061
sha2/224 chan 67108864 408986.113 164.09 156.49 0.0061 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 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 0.073 sha2/256 chan 32768 210.021 156.02 148.79 0.0061 sha2/256 chan 6536 398.845 164.31 156.02 0.0061	sha2/224	$_{ m chan}$	16777216	102184.617	164.19	156.58	0.0061
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 4096 40.995 99.91 95.28 0.0100 sha2/256 chan 16384 119.248 137.39 131.03 0.0073 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 32768 210.021 156.02 148.79 0.0064 sha2/256 chan 131072 814.252 160.97 153.51 0.0062 <t< td=""><td>sha2/224</td><td>chan</td><td>33554432</td><td>204770.910</td><td>163.86</td><td>156.27</td><td>0.0061</td></t<>	sha2/224	chan	33554432	204770.910	163.86	156.27	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/224	chan	67108864	408986.113	164.09	156.49	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	64	13.277	4.82	4.60	0.2075
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	128	19.124	6.69	6.38	0.1494
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	256	19.781	12.94	12.34	0.0773
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	512	18.566	27.58	26.30	0.0363
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	1024	25.777	39.73	37.89	0.0252
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	2048	29.566	69.27	66.06	0.0144
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	4096	40.995	99.91	95.28	0.0100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	8192	65.436	125.19	119.39	0.0080
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	16384	119.248	137.39	131.03	0.0073
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	32768	210.021	156.02	148.79	0.0064
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 sha2/384 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 512 15.438 33.16 31.62 <t< td=""><td>sha2/256</td><td>chan</td><td>65536</td><td>398.845</td><td>164.31</td><td>156.70</td><td>0.0061</td></t<>	sha2/256	chan	65536	398.845	164.31	156.70	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	131072	814.252	160.97	153.51	0.0062
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	262144	1594.737	164.38	156.76	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	524288	3284.236	159.64	152.24	0.0063
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	1048576	6360.665	164.85	157.21	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	2097152	12879.805	162.82	155.28	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	4194304	25554.023	164.13	156.53	0.0061
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	sha2/256	$_{ m chan}$	8388608	51217.124	163.79	156.20	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 <t< td=""><td>sha2/256</td><td>$_{ m chan}$</td><td>16777216</td><td>102793.353</td><td>163.21</td><td>155.65</td><td>0.0061</td></t<>	sha2/256	$_{ m chan}$	16777216	102793.353	163.21	155.65	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	33554432	205362.422	163.39	155.82	0.0061
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/256	chan	67108864	410713.621	163.40	155.83	0.0061
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	64	16.093	3.98	3.80	0.2515
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	128	19.283	6.64	6.33	0.1506
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	256	19.173	13.35	12.73	0.0749
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	512	15.438	33.16	31.62	0.0302
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	1024	19.257	53.18	50.72	0.0188
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	2048	24.780	82.65	78.82	0.0121
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	4096	34.955	117.18	111.75	0.0085
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha2/384	chan	8192	51.124	160.24	152.82	0.0062
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		chan	16384	80.303	204.03	194.58	0.0049
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	32768	132.846	246.66	235.23	0.0041
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			65536		246.60		0.0041
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 524288 2097.101 250.01 238.43 0.0040 sha2/384 chan 1048576 4052.254 258.76 246.77 0.0039	,	chan	262144	988.111	265.30	253.01	0.0038
sha2/384 chan 1048576 4052.254 258.76 246.77 0.0039		chan	524288	2097.101	250.01	238.43	0.0040
·	,		1048576				
	,	chan	2097152	8430.166	248.77	237.25	0.0040

Digest		Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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
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 64.21 61.25 0.0156 sha3/224 chan 616777216 261305.770 64.21 61.15 0.0156 sha3/224 chan 67108864 1049258.054 63.96 61.00 0.0156 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 128 17.673 7.24 6.90 0.1381 sha3/256 chan 512 22.468 22.79 21.73 0.0439 sha3/256 chan 1024 29.703 34.47 32.87 0.029 sha3/256 chan 1024 29.703 34.47 32.87 0.029 sha3/256 chan 1096 84.469 48.49 46.24 0.026	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
sha3/224 chan 16777216 261305.770 64.21 61.24 0.0156 sha3/224 chan 33554432 523304.540 64.12 61.15 0.0156 sha3/256 chan 6710864 1049258.054 63.96 61.00 0.0156 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 512 22.468 22.79 21.73 0.0439 sha3/256 chan 1024 29.703 34.47 32.87 0.0239 sha3/256 chan 1024 29.703 34.47 32.87 0.0439 sha3/256 chan 1004 29.703 34.47 32.87 0.0220 sha3/256 chan 4096 84.49.498 41.38 39.46 0.0242 sha3/256 chan 16384 275.673 59.43 56.68 0.0168	sha3/224	chan	4194304	65327.248	64.20	61.23	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 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 512 22.468 22.79 21.73 0.0439 sha3/256 chan 1024 29.703 34.47 32.87 0.0290 sha3/256 chan 1024 29.703 34.47 32.87 0.0290 sha3/256 chan 4096 84.469 48.49 46.24 0.0206 sha3/256 chan 4096 84.469 48.49 46.24 0.0206 sha3/256 chan 16384 275.673 59.43 56.68 0.0188 sha3/256 chan 32768 573.787 57.11 54.46 0.0175 <	sha3/224	chan	8388608	130599.556	64.23	61.25	0.0156
sha3/224 chan 67108864 1049258.054 63.96 61.00 0.0156 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 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 6536 1099.406 59.61 56.85 0.0168 sha3/256 chan 6536 1099.406 59.61 56.85 0.0168 sh	sha3/224	chan	16777216	261305.770	64.21	61.24	0.0156
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 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 31072 2242.905 58.44 55.73 0.0171 sha3/256 chan 31072 2242.905 58.44 55.73 0.0171 sha3/256 chan 2044 4353.141 60.22 57.43 0.0168 sha3/256 chan 31072 2242.905 58.44 55.73 0.0171 sha3/256 chan 262144 4353.141 60.22 57.43 0.0168 sha3/256 chan 262144 4353.141 60.22 57.43 0.0162 sha3/256 chan 278.242.88 8496.808 61.70 58.84 0.0168 sha3/256 chan 297152 34698.785 60.44 57.65 0.0168 sha3/256 chan 1048576 17313.245 60.56 57.75 0.0165 sha3/256 chan 335868 138699.791 60.48 57.68 0.0168 sha3/256 chan 4194304 69195.045 60.62 57.81 0.0165 sha3/256 chan 33554432 553986.943 60.57 57.66 0.0165 sha3/256 chan 6777216 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 512 28.858 17.856 71.88 6.85 0.1393 sha3/384 chan 526 25.270 10.13 9.66 0.0987 sha3/384 chan 512 28.858 17.856 30.14 28.74 0.0332 sha3/384 chan 1024 33.976 30.14 28.74 0.0332 sha3/384 chan 256 25.270 10.13 9.66 0.0987 sha3/384 chan 262 48 62.251 32.90 31.38 0.0304 sha3/384 chan 256 25.270 10.13 9.66 0.0987 sha3/384 chan 3102 28.858 17.856 31.44 28.74 0.0332 sha3/384 chan 3268 696.431 47.05 44.87 0.0215 sha3/384 chan 32768 696.431 47.05 44.87 0.0215 sha3/384 chan 31072 2780.530 47.14 44.96 0.0212 sha3/384 chan 32768 696.507 46.02 43.89 0.0217 sha3/384 chan 1048576 22631.943 44.28 0.0215	sha3/224	chan	33554432	523304.540	64.12	61.15	0.0156
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 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 131072 2242.905 58.44 55.73 0.0168 sha3/256 chan 131072 2242.905 58.44 55.73 0.0171 sha3/256 chan 524288 8496.808 61.70 58.84 0.0165 <t< td=""><td>sha3/224</td><td>chan</td><td>67108864</td><td>1049258.054</td><td>63.96</td><td>61.00</td><td>0.0156</td></t<>	sha3/224	chan	67108864	1049258.054	63.96	61.00	0.0156
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 16384 275.673 59.43 56.68 0.0168 sha3/256 chan 32768 573.787 57.11 54.46 0.0175 sha3/256 chan 31072 2242.905 58.44 55.73 0.0171 sha3/256 chan 131072 2242.905 58.44 55.73 0.0168 sha3/256 chan 262144 4353.141 60.22 57.43 0.0165 sha3/256 chan 524288 8496.808 61.70 58.84 0.0165	sha3/256	chan	64	20.645	3.10	2.96	0.3226
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 16384 275.673 59.43 56.68 0.0168 sha3/256 chan 65536 1099.406 59.61 56.85 0.0168 sha3/256 chan 65536 1099.406 59.61 56.85 0.0168 sha3/256 chan 65536 1099.406 59.61 56.85 0.0168 sha3/256 chan 262144 4353.141 60.22 57.43 0.0166 sha3/256 chan 524288 8496.808 61.70 58.84 0.0165 sha3/256 chan 1048576 17313.245 60.56 57.75 0.0165 <tr< td=""><td>sha3/256</td><td>$_{ m chan}$</td><td>128</td><td>17.673</td><td>7.24</td><td>6.90</td><td>0.1381</td></tr<>	sha3/256	$_{ m chan}$	128	17.673	7.24	6.90	0.1381
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	$_{ m chan}$	256	20.841	12.28	11.71	0.0814
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 1048576 17313.245 60.56 57.75 0.0165 sha3/256 chan 2997152 34698.785 60.44 57.64 0.0165 sha3/256 chan 4194304 69195.045 60.62 57.81 0.0165 <td>sha3/256</td> <td>chan</td> <td>512</td> <td>22.468</td> <td>22.79</td> <td>21.73</td> <td>0.0439</td>	sha3/256	chan	512	22.468	22.79	21.73	0.0439
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	1024	29.703	34.47	32.87	0.0290
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	2048	49.498	41.38	39.46	0.0242
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	4096	84.469	48.49	46.24	0.0206
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	8192	148.267	55.25	52.69	0.0181
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	16384	275.673	59.43	56.68	0.0168
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	32768	573.787	57.11	54.46	0.0175
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	65536	1099.406	59.61	56.85	0.0168
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	131072	2242.905	58.44	55.73	0.0171
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	262144	4353.141	60.22	57.43	0.0166
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	524288	8496.808	61.70	58.84	0.0162
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 1024 33.976 30.14 28.74 0.032 sha3/384 chan 2048 62.251 32.90 31.38 0.0304 sha3/384 chan 4096 116.844 35.06 33.44 0.0285	sha3/256	$_{ m chan}$	1048576	17313.245	60.56	57.75	0.0165
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	2097152	34698.785	60.44	57.64	0.0165
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	4194304	69195.045	60.62	57.81	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 <td< td=""><td>sha3/256</td><td>chan</td><td>8388608</td><td>138699.791</td><td>60.48</td><td>57.68</td><td>0.0165</td></td<>	sha3/256	chan	8388608	138699.791	60.48	57.68	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/	sha3/256	chan	16777216	277520.653	60.45	57.65	0.0165
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sha3/256	chan	33554432	553986.943	60.57	57.76	0.0165
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 sha	sha3/256	chan	67108864	1112034.339	60.35	57.55	0.0166
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 sha	sha3/384	chan	64	16.909	3.78	3.60	0.2642
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 524288 11729.965 44.70 42.63 0.0224	,						
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	,	$_{ m chan}$	256		10.13	9.66	
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 <td></td> <td></td> <td>512</td> <td>28.528</td> <td></td> <td></td> <td></td>			512	28.528			
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			1024		30.14	28.74	
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						31.38	0.0304
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	4096	116.844	35.06	33.44	0.0285
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	8192	198.163	41.34	39.42	0.0242
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	,					42.36	
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 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				1411.572			
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sha3/384 chan 524288 11729.965 44.70 42.63 0.0224 sha3/384 chan 1048576 22631.943 46.33 44.18 0.0216	,						
$\frac{1048576}{1048576}$ 22631.943 46.33 44.18 0.0216	,						
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sha3/384 chan 4194304 90474.236 46.36 44.21 sha3/384 chan 8388608 180798.208 46.40 44.25 sha3/384 chan 16777216 357082.526 46.98 44.80 sha3/384 chan 33554432 705869.673 47.54 45.34 sha3/384 chan 67108864 1429203.781 46.96 44.78	0.0216 0.0216 0.0213 0.0210 0.0213 0.3170 0.1604 0.0839 0.0683
sha3/384 chan 16777216 357082.526 46.98 44.80 sha3/384 chan 33554432 705869.673 47.54 45.34 sha3/384 chan 67108864 1429203.781 46.96 44.78	0.0213 0.0210 0.0213 0.3170 0.1604 0.0839 0.0683
sha3/384 chan 33554432 705869.673 47.54 45.34 sha3/384 chan 67108864 1429203.781 46.96 44.78	0.0210 0.0213 0.3170 0.1604 0.0839 0.0683
$\frac{\sinh 3}{384}$ chan $\frac{67108864}{1429203.781}$ 46.96 44.78	0.0213 0.3170 0.1604 0.0839 0.0683
,	0.3170 0.1604 0.0839 0.0683
sha3/512 chan 64 20.287 3.15 3.00	0.1604 0.0839 0.0683
	$0.0839 \\ 0.0683$
sha3/512 chan 128 20.529 6.24 5.95	0.0683
sha3/512 chan 256 21.476 11.92 11.37	
sha3/512 chan 512 34.955 14.65 13.97	0.0405
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
snefru/128 chan 64 27.046 2.37 2.26	0.4226
snefru/128 chan 128 26.813 4.77 4.55	0.2095
snefru/128 chan 256 37.293 6.86 6.54	0.1457
snefru/128 chan 512 55.779 9.18 8.75	0.1089
snefru/128 chan 1024 89.140 11.49 10.96	0.0871
snefru/128 chan 2048 153.216 13.37 12.75	0.0748
snefru/128 chan 4096 285.589 14.34 13.68	0.0697
snefru/128 chan 8192 548.091 14.95 14.26	0.0669
snefru/128 chan 16384 1075.845 15.23 14.52	0.0657
snefru/128 chan 32768 2129.051 15.39 14.68	0.0650
snefru/128 chan 65536 4246.079 15.43 14.72	0.0648
snefru/128 chan 131072 8470.825 15.47 14.75	0.0646
snefru/128 chan 262144 16922.039 15.49 14.77	0.0646
snefru/128 chan 524288 33827.213 15.50 14.78	0.0645
snefru/128 chan 1048576 67691.815 15.49 14.77	0.0646
snefru/128 chan 2097152 135411.754 15.49 14.77	0.0646

Snefru/128 Chan S388608 541801.992 15.48 14.76 0.0646 Snefru/128 Chan 16777216 1084717.885 15.47 14.75 0.0646 Snefru/128 Chan 33554432 2167447.082 15.48 14.76 0.0646 Snefru/128 Chan 67108864 4334993.436 15.48 14.76 0.0646 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 556 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 32768 3186.231 10.28 9.80 0.0978 Snefru/256 Chan 65536 6356.773 10.31 9.83 0.0970 Snefru/256 Chan 65536 6356.773 10.31 9.83 0.0969 Snefru/256 Chan 524288 50732.168 10.33 9.85 0.0968 Snefru/256 Chan 524288 50732.168 10.33 9.85 0.0968 Snefru/256 Chan 2097152 203023.774 10.33 9.85 0.0968 Snefru/256 Chan 33554432 3250354.91 10.32 9.84 0.0969 Snefru/256 Chan 33554432 3250354.91 10.32 9.84 0.0969 Snefru/256 Chan 64 18.861 3.39 3.23 0.2947 tiger Chan 64 18.861 3.39 3.23 0.2947 tiger Chan 128 17.914 7.15 6.82 0.1040 tiger Chan 104876 105358 1032 1032 1032 10440 tiger Chan 104876 105363	Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
snefru/128 chan 16777216 1084717.885 15.47 14.75 0.0647 snefru/128 chan 33554432 2167447.082 15.48 14.76 0.0646 snefru/256 chan 64 27.178 2.35 2.24 0.0424 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 16384 1601.828 10.23 9.76 0.0978 snefru/256 chan 131072 12696.632 10.23 9.84 0.0979	snefru/128	chan	4194304	270947.261	15.48	14.76	0.0646
sneftru/128 chan 33554432 2167447.082 15.48 14.76 0.0646 sneftru/128 chan 67108864 4334993.436 15.48 14.76 0.0646 sneftru/256 chan 64 27.178 2.35 2.24 0.4247 sneftru/256 chan 128 29.867 4.29 4.09 0.2333 sneftru/256 chan 1512 68.470 7.48 7.13 0.1337 sneftru/256 chan 1024 121.359 8.44 8.05 0.1185 sneftru/256 chan 1024 121.359 8.44 8.05 0.1185 sneftru/256 chan 4096 411.515 9.95 9.49 0.1005 sneftru/256 chan 16384 1601.828 10.23 9.76 9.13 0.1095 sneftru/256 chan 32768 3186.231 10.28 9.80 0.0972 sneftru/256 chan 3524288 50732.168 10.33 9.85<	snefru/128	chan	8388608	541801.902	15.48	14.76	0.0646
snefru/128 chan 67108864 4334993.436 15.48 14.76 0.0646 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 1024 121.359 8.44 8.05 0.1185 snefru/256 chan 1024 121.359 8.44 8.05 0.1185 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 1328 1601.828 10.23 9.76 0.0978 snefru/256 chan 32768 3186.231 10.28 9.80 0.0972 snefru/256 chan 6536 6356.773 10.31 9.85 0.0968	snefru/128	chan	16777216	1084717.885	15.47	14.75	0.0647
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 31072 12696.632 10.32 9.84 0.0969 snefru/256 chan 262144 25384.426 10.33 9.85 0.0968 snefru/256 chan 262144 25384.426 10.33 9.85 0.0968 snefru/256 chan 1048576 101535.758 10.33 9.85 0.0968 snefru/256 chan 33768 3186.231 10.28 9.80 0.0972 snefru/256 chan 32768 3186.231 10.28 9.80 0.0972 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 1048576 101535.758 10.33 9.85 0.0968 snefru/256 chan 1048576 101535.758 10.33 9.85 0.0968 snefru/256 chan 16777216 1625438.647 10.33 9.85 0.0968 snefru/256 chan 4194304 406137.759 10.33 9.85 0.0968 snefru/256 chan 16777216 1625438.647 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 128 17.914 7.15 6.82 0.1400 tiger chan 128 17.914 7.15 6.82 0.1400 tiger chan 1024 18.651 54.90 52.36 0.0182 tiger chan 16384 69.409 23.605 225.11 0.0042 tiger chan 1648576 3	snefru/128	chan	33554432	2167447.082	15.48	14.76	0.0646
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 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 524288 50732.168 10.33 9.85 0.0968 <t< td=""><td>snefru/128</td><td>chan</td><td>67108864</td><td>4334993.436</td><td>15.48</td><td>14.76</td><td>0.0646</td></t<>	snefru/128	chan	67108864	4334993.436	15.48	14.76	0.0646
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	64	27.178	2.35	2.24	0.4247
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	128	29.867	4.29	4.09	0.2333
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	256	44.452	5.76	5.49	0.1736
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	512	68.470	7.48	7.13	0.1337
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	1024	121.359	8.44	8.05	0.1185
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	2048	214.002	9.57	9.13	0.1045
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	4096	411.515	9.95	9.49	0.1005
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	8192	806.572	10.16	9.69	0.0985
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	16384	1601.828	10.23	9.76	0.0978
$\begin{array}{c} {\rm snefru}/256 & {\rm chan} & 131072 & 12696.632 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 262144 & 25384.426 & 10.33 & 9.85 & 0.0968 \\ {\rm snefru}/256 & {\rm chan} & 524288 & 50732.168 & 10.33 & 9.85 & 0.0968 \\ {\rm snefru}/256 & {\rm chan} & 1048576 & 101535.758 & 10.33 & 9.85 & 0.0968 \\ {\rm snefru}/256 & {\rm chan} & 2097152 & 203023.774 & 10.33 & 9.85 & 0.0968 \\ {\rm snefru}/256 & {\rm chan} & 4194304 & 406137.759 & 10.33 & 9.85 & 0.0968 \\ {\rm snefru}/256 & {\rm chan} & 8388608 & 812467.135 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 16777216 & 1625438.647 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 33554432 & 3250354.911 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 67108864 & 6500059.358 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 67108864 & 6500059.358 & 10.32 & 9.84 & 0.0969 \\ {\rm snefru}/256 & {\rm chan} & 64 & 18.861 & 3.39 & 3.23 & 0.2947 \\ {\rm tiger} & {\rm chan} & 128 & 17.914 & 7.15 & 6.82 & 0.1400 \\ {\rm tiger} & {\rm chan} & 128 & 17.914 & 7.15 & 6.82 & 0.1400 \\ {\rm tiger} & {\rm chan} & 512 & 20.563 & 24.90 & 23.75 & 0.0402 \\ {\rm tiger} & {\rm chan} & 1024 & 18.651 & 54.90 & 52.36 & 0.0182 \\ {\rm tiger} & {\rm chan} & 1024 & 18.651 & 54.90 & 52.36 & 0.0182 \\ {\rm tiger} & {\rm chan} & 4096 & 33.537 & 122.13 & 116.47 & 0.0082 \\ {\rm tiger} & {\rm chan} & 4096 & 33.537 & 122.13 & 116.47 & 0.0082 \\ {\rm tiger} & {\rm chan} & 8192 & 43.274 & 189.31 & 180.54 & 0.0053 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 225.11 & 0.0042 \\ {\rm tiger} & {\rm chan} & 16384 & 69.409 & 236.05 & 29.54 & 0.0033 \\ {\rm tiger} & {\rm chan} & 131072 & 431.732 & 303.60 & 289.54 & 0.0032 \\ {\rm tiger} & {\rm chan} & 131072 & $	snefru/256	chan	32768	3186.231	10.28	9.80	0.0972
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 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 snefru/256 chan 128 17.914 7.15	snefru/256	chan	65536	6356.773	10.31	9.83	0.0970
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 snefru/256 chan 67108864 6500059.358 10.32 9.84 0.0969 snefru/256 chan 128 17.914 7.15 6.82 0.1400 tiger chan 128 17.914 7.15 6.82	snefru/256	chan	131072	12696.632	10.32	9.84	0.0969
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	262144	25384.426	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 tiger chan 67108864 6500059.358 10.32 9.84 0.0969 tiger chan 64 18.861 3.39 3.23 0.2947 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	snefru/256	chan	524288	50732.168	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 tiger chan 67108864 6500059.358 10.32 9.84 0.0969 tiger chan 67108864 6500059.358 10.32 9.84 0.0969 tiger 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 1024 18.651 54.90 23.75 0.0402	snefru/256	chan	1048576	101535.758	10.33	9.85	0.0968
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	2097152	203023.774	10.33	9.85	0.0968
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	4194304	406137.759	10.33	9.85	0.0968
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	8388608	812467.135	10.32	9.84	0.0969
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	16777216	1625438.647	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	snefru/256	chan	33554432	3250354.911	10.32	9.84	0.0969
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	snefru/256	chan	67108864	6500059.358	10.32	9.84	0.0969
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	64	18.861	3.39	3.23	0.2947
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	128	17.914	7.15	6.82	0.1400
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	256	19.037	13.45	12.83	0.0744
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	512	20.563	24.90	23.75	0.0402
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	1024	18.651	54.90	52.36	0.0182
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	2048	24.828	82.49	78.67	0.0121
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	4096	33.537	122.13	116.47	0.0082
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	8192	43.274	189.31	180.54	0.0053
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	16384	69.409	236.05	225.11	0.0042
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	32768	121.780	269.08	256.61	0.0037
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	tiger	chan	65536	225.924	290.08	276.64	0.0034
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		chan	131072	431.732	303.60	289.54	0.0033
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		chan	262144	845.789	309.94	295.58	0.0032
tiger chan 1048576 3298.446 317.90 303.17 0.0031		chan	524288	1657.410	316.33	301.68	0.0032
		chan	1048576	3298.446	317.90	303.17	0.0031
	$_{ m tiger}$	chan	2097152	6627.898	316.41	301.75	0.0032

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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
tth	chan	64	17.959	3.56	3.40	0.2806
tth	$_{ m chan}$	128	18.873	6.78	6.47	0.1474
tth	$_{ m chan}$	256	13.198	19.40	18.50	0.0516
tth	$_{ m chan}$	512	18.732	27.33	26.06	0.0366
tth	$_{ m chan}$	1024	18.624	54.98	52.43	0.0182
tth	$_{ m chan}$	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	$_{ m chan}$	128	21.911	5.84	5.57	0.1712
whirlpool	$_{ m chan}$	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

Digest	Method	Bytes	Microseconds	MB/Second	MiB/Second	Microseconds/Byte
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

Speed Maxima, Sorted From Fastest Down

Digest	Method	Bytes	Micros	MB/Second	MiB/Second	Micros/Byte	Gain	R/G
$\overline{\mathrm{ed2k}}$	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	1.5
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.
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.
ripemd160	chan	131072	595.411	220.14	209.94	0.0045	21.311	1.0
has 160	chan	524288	2390.026	219.36	209.20	0.0046	21.235	1.
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.
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.
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.
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	1.5
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