

ChecksumBenchmarks CRC32C (ops/ms)

SPARC T5-2, 3.6GHz, Solaris 11.2

java -jar benchmarks.jar ChecksumBenchmarks CRC32C

Total time: 10:15:04

4/20/2015

Benchmark	HadoopCRC32C		Intrinsics	Speedup
	(offset)	Score	Score	
o.c.CRC32C.byteArray_1K	N/A	931768.14	7534287.83	8.09
o.c.CRC32C.byteArray_64K	N/A	926556.08	15038443.20	16.23
o.c.CRC32C.byteArray_9	N/A	415093.57	588616.45	1.42
o.c.CRC32C.directByteBuffer_1K	N/A	593813.83	7354643.77	12.39
o.c.CRC32C.wrappedByteBuffer_1K	N/A	927650.21	7080730.21	7.63
o.c.CRC32CUnaligned.byteArray_unaligned_1K	0	932588.91	7475724.36	8.02
o.c.CRC32CUnaligned.byteArray_unaligned_1K	1	932838.69	7413141.91	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	2	932667.18	7415030.88	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	3	932352.93	7420728.03	7.96
o.c.CRC32CUnaligned.byteArray_unaligned_1K	4	932755.64	7414757.70	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	5	932999.78	7420927.94	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	6	932960.23	7418475.40	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	7	932679.94	7420686.72	7.96
o.c.CRC32CUnaligned.byteArray_unaligned_1K	8	932504.53	7493966.61	8.04
o.c.CRC32CUnaligned.byteArray_unaligned_1K	9	932805.23	7419903.34	7.95
o.c.CRC32CUnaligned.byteArray_unaligned_1K	10	932574.44	7419398.83	7.96
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	0	580449.07	6802954.20	11.72
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	1	580009.19	6300588.71	10.86
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	2	580425.99	6407222.62	11.04
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	3	568633.15	6497268.56	11.43
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	4	590339.80	6622225.22	11.22
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	5	576842.32	6715390.78	11.64
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	6	576520.48	6821577.46	11.83
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	7	586447.52	6935872.75	11.83
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	8	591149.48	7070319.84	11.96
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	9	578806.18	7176818.00	12.40
o.c.CRC32CUnaligned.unalignedDirectByteBuffer_1K	10	589322.89	7305828.37	12.40
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	0	925407.20	7017400.07	7.58
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	1	926344.28	7207786.14	7.78
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	2	925755.86	7180003.88	7.76
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	3	926886.45	7167569.69	7.73
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	4	926512.47	7129271.90	7.69
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	5	926352.73	7133401.15	7.70
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	6	926431.52	7108538.49	7.67
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	7	926821.76	7139267.01	7.70
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	8	926499.96	7024790.86	7.58
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	9	926698.58	7208750.54	7.78
o.c.CRC32CUnaligned.unalignedWrappedByteBuffer_1K	10	927155.34	7172644.93	7.74