Starting Benchmark Tests ...

Time to start and stop timer: 5 cycles

Read Test 4KB using EDMA (DDR3->l2)@ DSP Freq 1000 (Mhz)

Config: Elapsed Cycles 833 Elapsed Time 833 (ns)

Transfer: Elapsed Cycles: 1379 Elapsed Time: 1379 (ns) BW: 2970 MB/s

Read Test 4KB using for-loop (DDR3->l2)@ DSP Freq 1000 (Mhz)

Transfer: Elapsed Cycles: 87166 Elapsed Time: 87166 (ns) BW: 46 MB/s

Read Test 32KB using EDMA (DDR3->l2)@ DSP Freq 1000 (Mhz)

Config: Elapsed Cycles 798 Elapsed Time 798 (ns)

Transfer: Elapsed Cycles: 6646 Elapsed Time: 6646 (ns) BW: 4930 MB/s

Read Test 32KB using for-loop (DDR3->l2)@ DSP Freq 1000 (Mhz)

Transfer: Elapsed Cycles: 713865 Elapsed Time: 713865 (ns) BW: 45 MB/s

Read Test 1MB using EDMA (DDR3->l2)@ DSP Freq 1000 (Mhz)

Config: Elapsed Cycles 794 Elapsed Time 794 (ns)

Transfer: Elapsed Cycles: 209827 Elapsed Time: 209827 (ns) BW: 4997 MB/s

Read Test 1MB using for-loop (DDR3->l2)@ DSP Freq 1000 (Mhz)

Transfer: Elapsed Cycles: 23187872 Elapsed Time: 23187872 (ns) BW: 45 MB/s

Read Test 1GB using EDMA (DDR3->l2)@ DSP Freq 1000 (Mhz)

Config: Elapsed Cycles 793 Elapsed Time 793 (ns)

Transfer: Elapsed Cycles: 213979445 Elapsed Time: 213979445 (ns) BW: 5017 MB/s

Read Test 1GB using for-loop (DDR3->l2)@ DSP Freq 1000 (Mhz)

Transfer: Elapsed Cycles: 23752100446 Elapsed Time: 23752100446 (ns) BW: 45 MB/s

Read Test 2GB using EDMA (DDR3->l2)@ DSP Freq 1000 (Mhz)

Config: Elapsed Cycles 798 Elapsed Time 798 (ns)

Transfer: Elapsed Cycles: 427972203 Elapsed Time: 427972203 (ns) BW: 5017 MB/s

Read Test 2GB using for-loop (DDR3->l2)@ DSP Freq 1000 (Mhz)

Transfer: Elapsed Cycles: 46017545643 Elapsed Time: 46017545643 (ns) BW: 46 MB/s

atansp 4K words - Elapsed Cycles: 421911 Elapsed Time: 421911 (ns) Cycles/Word: 103

atansp\_i 4K words - Elapsed Cycles: 57564 Elapsed Time: 57564 (ns) Cycles/Word: 14

atandp 4K words - Elapsed Cycles: 1224990 Elapsed Time: 1224990 (ns) Cycles/Word: 299

atandp\_i 4K words - Elapsed Cycles: 766100 Elapsed Time: 766100 (ns) Cycles/Word: 187

atan2sp 4K words - Elapsed Cycles: 413747 Elapsed Time: 413747 (ns) Cycles/Word: 101

atan2sp\_i 4K words - Elapsed Cycles: 323656 Elapsed Time: 323656 (ns) Cycles/Word: 79

atan2sdp 4K words - Elapsed Cycles: 1734523 Elapsed Time: 1734523 (ns) Cycles/Word: 423

atan2dp\_i 4K words - Elapsed Cycles: 1084492 Elapsed Time: 1084492 (ns) Cycles/Word: 264

cossp 4K words - Elapsed Cycles: 340014 Elapsed Time: 340014 (ns) Cycles/Word: 83

cossp\_i 4K words - Elapsed Cycles: 53407 Elapsed Time: 53407 (ns) Cycles/Word: 13

cosdp 4K words - Elapsed Cycles: 712753 Elapsed Time: 712753 (ns) Cycles/Word: 174

cosdp\_i 4K words - Elapsed Cycles: 65780 Elapsed Time: 65780 (ns) Cycles/Word: 16

divsp 4K words - Elapsed Cycles: 163880 Elapsed Time: 163880 (ns) Cycles/Word: 40

divsp\_i 4K words - Elapsed Cycles: 139301 Elapsed Time: 139301 (ns) Cycles/Word: 34

divdp 4K words - Elapsed Cycles: 413746 Elapsed Time: 413746 (ns) Cycles/Word: 101

divdp\_i 4K words - Elapsed Cycles: 208932 Elapsed Time: 208932 (ns) Cycles/Word: 51

expsp 4K words - Elapsed Cycles: 168158 Elapsed Time: 168158 (ns) Cycles/Word: 41

expsp\_i 4K words - Elapsed Cycles: 49283 Elapsed Time: 49283 (ns) Cycles/Word: 12

expdp 4K words - Elapsed Cycles: 293625 Elapsed Time: 293625 (ns) Cycles/Word: 71

expdp\_i 4K words - Elapsed Cycles: 143545 Elapsed Time: 143545 (ns) Cycles/Word: 35

exp10sp 4K words - Elapsed Cycles: 165753 Elapsed Time: 165753 (ns) Cycles/Word: 40

exp10sp\_i 4K words - Elapsed Cycles: 41217 Elapsed Time: 41217 (ns) Cycles/Word: 10

exp10dp 4K words - Elapsed Cycles: 270791 Elapsed Time: 270791 (ns) Cycles/Word: 66

exp10dp\_i 4K words - Elapsed Cycles: 168109 Elapsed Time: 168109 (ns) Cycles/Word: 41

exp2sp 4K words - Elapsed Cycles: 170037 Elapsed Time: 170037 (ns) Cycles/Word: 41

exp2sp\_i 4K words - Elapsed Cycles: 37151 Elapsed Time: 37151 (ns) Cycles/Word: 9

exp2dp 4K words - Elapsed Cycles: 413780 Elapsed Time: 413780 (ns) Cycles/Word: 101

exp2dp\_i 4K words - Elapsed Cycles: 168095 Elapsed Time: 168095 (ns) Cycles/Word: 41

log10sp 4K words - Elapsed Cycles: 340017 Elapsed Time: 340017 (ns) Cycles/Word: 83

log10sp\_i 4K words - Elapsed Cycles: 45207 Elapsed Time: 45207 (ns) Cycles/Word: 11

log10dp 4K words - Elapsed Cycles: 1302597 Elapsed Time: 1302597 (ns) Cycles/Word: 318

log10dp\_i 4K words - Elapsed Cycles: 788878 Elapsed Time: 788878 (ns) Cycles/Word: 192

log2sp 4K words - Elapsed Cycles: 340011 Elapsed Time: 340011 (ns) Cycles/Word: 83

log2sp\_i 4K words - Elapsed Cycles: 45211 Elapsed Time: 45211 (ns) Cycles/Word: 11

log2dp 4K words - Elapsed Cycles: 1265720 Elapsed Time: 1265720 (ns) Cycles/Word: 309

log2dp\_i 4K words - Elapsed Cycles: 788878 Elapsed Time: 788878 (ns) Cycles/Word: 192

logsp 4K words - Elapsed Cycles: 337262 Elapsed Time: 337262 (ns) Cycles/Word: 82

logsp\_i 4K words - Elapsed Cycles: 41147 Elapsed Time: 41147 (ns) Cycles/Word: 10

logdp 4K words - Elapsed Cycles: 1261649 Elapsed Time: 1261649 (ns) Cycles/Word: 308

logdp\_i 4K words - Elapsed Cycles: 772494 Elapsed Time: 772494 (ns) Cycles/Word: 188

powsp 4K words - Elapsed Cycles: 462895 Elapsed Time: 462895 (ns) Cycles/Word: 113

powsp\_i 4K words - Elapsed Cycles: 400032 Elapsed Time: 400032 (ns) Cycles/Word: 97

powdp 4K words - Elapsed Cycles: 1433812 Elapsed Time: 1433812 (ns) Cycles/Word: 350

powdp\_i 4K words - Elapsed Cycles: 1284609 Elapsed Time: 1284609 (ns) Cycles/Word: 313

recipsp 4K words - Elapsed Cycles: 143407 Elapsed Time: 143407 (ns) Cycles/Word: 35

recipsp\_i 4K words - Elapsed Cycles: 16443 Elapsed Time: 16443 (ns) Cycles/Word: 4

recipdp 4K words - Elapsed Cycles: 360499 Elapsed Time: 360499 (ns) Cycles/Word: 88

recipdp\_i 4K words - Elapsed Cycles: 28782 Elapsed Time: 28782 (ns) Cycles/Word: 7

rsqrtsp 4K words - Elapsed Cycles: 188463 Elapsed Time: 188463 (ns) Cycles/Word: 46

rsqrtsp\_i 4K words - Elapsed Cycles: 20555 Elapsed Time: 20555 (ns) Cycles/Word: 5

rsqrtdp 4K words - Elapsed Cycles: 491566 Elapsed Time: 491566 (ns) Cycles/Word: 120

rsqrtdp\_i 4K words - Elapsed Cycles: 32904 Elapsed Time: 32904 (ns) Cycles/Word: 8

sinsp 4K words - Elapsed Cycles: 315438 Elapsed Time: 315438 (ns) Cycles/Word: 77

sinsp\_i 4K words - Elapsed Cycles: 37047 Elapsed Time: 37047 (ns) Cycles/Word: 9

sindp 4K words - Elapsed Cycles: 692108 Elapsed Time: 692108 (ns) Cycles/Word: 168

sindp\_i 4K words - Elapsed Cycles: 82065 Elapsed Time: 82065 (ns) Cycles/Word: 20

sqrtsp 4K words - Elapsed Cycles: 204848 Elapsed Time: 204848 (ns) Cycles/Word: 50

sqrtsp\_i 4K words - Elapsed Cycles: 24726 Elapsed Time: 24726 (ns) Cycles/Word: 6

sqrtdp 4K words - Elapsed Cycles: 532537 Elapsed Time: 532537 (ns) Cycles/Word: 130

sqrtdp\_i 4K words - Elapsed Cycles: 41152 Elapsed Time: 41152 (ns) Cycles/Word: 10

atansp 32K words - Elapsed Cycles: 3387664 Elapsed Time: 3387664 (ns) Cycles/Word: 103

atansp\_i 32K words - Elapsed Cycles: 473309 Elapsed Time: 473309 (ns) Cycles/Word: 14

atandp 32K words - Elapsed Cycles: 9812276 Elapsed Time: 9812276 (ns) Cycles/Word: 299

atandp\_i 32K words - Elapsed Cycles: 6142107 Elapsed Time: 6142107 (ns) Cycles/Word: 187

atan2sp 32K words - Elapsed Cycles: 3339072 Elapsed Time: 3339072 (ns) Cycles/Word: 101

atan2sp\_i 32K words - Elapsed Cycles: 2614989 Elapsed Time: 2614989 (ns) Cycles/Word: 79

atan2sdp 32K words - Elapsed Cycles: 13895433 Elapsed Time: 13895433 (ns) Cycles/Word: 424

atan2dp\_i 32K words - Elapsed Cycles: 8696778 Elapsed Time: 8696778 (ns) Cycles/Word: 265

cossp 32K words - Elapsed Cycles: 2732399 Elapsed Time: 2732399 (ns) Cycles/Word: 83

cossp\_i 32K words - Elapsed Cycles: 440483 Elapsed Time: 440483 (ns) Cycles/Word: 13

cosdp 32K words - Elapsed Cycles: 5716045 Elapsed Time: 5716045 (ns) Cycles/Word: 174

cosdp\_i 32K words - Elapsed Cycles: 538875 Elapsed Time: 538875 (ns) Cycles/Word: 16

divsp 32K words - Elapsed Cycles: 1340206 Elapsed Time: 1340206 (ns) Cycles/Word: 40

divsp\_i 32K words - Elapsed Cycles: 1135793 Elapsed Time: 1135793 (ns) Cycles/Word: 34

divdp 32K words - Elapsed Cycles: 3330111 Elapsed Time: 3330111 (ns) Cycles/Word: 101

divdp\_i 32K words - Elapsed Cycles: 1692855 Elapsed Time: 1692855 (ns) Cycles/Word: 51

expsp 32K words - Elapsed Cycles: 1327681 Elapsed Time: 1327681 (ns) Cycles/Word: 40

expsp\_i 32K words - Elapsed Cycles: 407707 Elapsed Time: 407707 (ns) Cycles/Word: 12

expdp 32K words - Elapsed Cycles: 1368845 Elapsed Time: 1368845 (ns) Cycles/Word: 41

expdp\_i 32K words - Elapsed Cycles: 1161395 Elapsed Time: 1161395 (ns) Cycles/Word: 35

exp10sp 32K words - Elapsed Cycles: 1326995 Elapsed Time: 1326995 (ns) Cycles/Word: 40

exp10sp\_i 32K words - Elapsed Cycles: 342306 Elapsed Time: 342306 (ns) Cycles/Word: 10

exp10dp 32K words - Elapsed Cycles: 1747407 Elapsed Time: 1747407 (ns) Cycles/Word: 53

exp10dp\_i 32K words - Elapsed Cycles: 1357991 Elapsed Time: 1357991 (ns) Cycles/Word: 41

exp2sp 32K words - Elapsed Cycles: 1331281 Elapsed Time: 1331281 (ns) Cycles/Word: 40

exp2sp\_i 32K words - Elapsed Cycles: 309542 Elapsed Time: 309542 (ns) Cycles/Word: 9

exp2dp 32K words - Elapsed Cycles: 1890399 Elapsed Time: 1890399 (ns) Cycles/Word: 57

exp2dp\_i 32K words - Elapsed Cycles: 1357988 Elapsed Time: 1357988 (ns) Cycles/Word: 41

log10sp 32K words - Elapsed Cycles: 2734171 Elapsed Time: 2734171 (ns) Cycles/Word: 83

log10sp\_i 32K words - Elapsed Cycles: 374968 Elapsed Time: 374968 (ns) Cycles/Word: 11

log10dp 32K words - Elapsed Cycles: 10434647 Elapsed Time: 10434647 (ns) Cycles/Word: 318

log10dp\_i 32K words - Elapsed Cycles: 6325858 Elapsed Time: 6325858 (ns) Cycles/Word: 193

log2sp 32K words - Elapsed Cycles: 2734154 Elapsed Time: 2734154 (ns) Cycles/Word: 83

log2sp\_i 32K words - Elapsed Cycles: 374975 Elapsed Time: 374975 (ns) Cycles/Word: 11

log2dp 32K words - Elapsed Cycles: 10139729 Elapsed Time: 10139729 (ns) Cycles/Word: 309

log2dp\_i 32K words - Elapsed Cycles: 6325857 Elapsed Time: 6325857 (ns) Cycles/Word: 193

logsp 32K words - Elapsed Cycles: 2699573 Elapsed Time: 2699573 (ns) Cycles/Word: 82

logsp\_i 32K words - Elapsed Cycles: 342198 Elapsed Time: 342198 (ns) Cycles/Word: 10

logdp 32K words - Elapsed Cycles: 10106952 Elapsed Time: 10106952 (ns) Cycles/Word: 308

logdp\_i 32K words - Elapsed Cycles: 6194782 Elapsed Time: 6194782 (ns) Cycles/Word: 189

powsp 32K words - Elapsed Cycles: 3732321 Elapsed Time: 3732321 (ns) Cycles/Word: 113

powsp\_i 32K words - Elapsed Cycles: 3222352 Elapsed Time: 3222352 (ns) Cycles/Word: 98

powdp 32K words - Elapsed Cycles: 11489470 Elapsed Time: 11489470 (ns) Cycles/Word: 350

powdp\_i 32K words - Elapsed Cycles: 10295965 Elapsed Time: 10295965 (ns) Cycles/Word: 314

recipsp 32K words - Elapsed Cycles: 1159527 Elapsed Time: 1159527 (ns) Cycles/Word: 35

recipsp\_i 32K words - Elapsed Cycles: 147514 Elapsed Time: 147514 (ns) Cycles/Word: 4

recipdp 32K words - Elapsed Cycles: 2897985 Elapsed Time: 2897985 (ns) Cycles/Word: 88

recipdp\_i 32K words - Elapsed Cycles: 245873 Elapsed Time: 245873 (ns) Cycles/Word: 7

rsqrtsp 32K words - Elapsed Cycles: 1521726 Elapsed Time: 1521726 (ns) Cycles/Word: 46

rsqrtsp\_i 32K words - Elapsed Cycles: 178251 Elapsed Time: 178251 (ns) Cycles/Word: 5

rsqrtdp 32K words - Elapsed Cycles: 3946552 Elapsed Time: 3946552 (ns) Cycles/Word: 120

rsqrtdp\_i 32K words - Elapsed Cycles: 278668 Elapsed Time: 278668 (ns) Cycles/Word: 8

sinsp 32K words - Elapsed Cycles: 2537532 Elapsed Time: 2537532 (ns) Cycles/Word: 77

sinsp\_i 32K words - Elapsed Cycles: 309436 Elapsed Time: 309436 (ns) Cycles/Word: 9

sindp 32K words - Elapsed Cycles: 5551298 Elapsed Time: 5551298 (ns) Cycles/Word: 169

sindp\_i 32K words - Elapsed Cycles: 669842 Elapsed Time: 669842 (ns) Cycles/Word: 20

sqrtsp 32K words - Elapsed Cycles: 1652794 Elapsed Time: 1652794 (ns) Cycles/Word: 50

sqrtsp\_i 32K words - Elapsed Cycles: 211093 Elapsed Time: 211093 (ns) Cycles/Word: 6

sqrtdp 32K words - Elapsed Cycles: 4274235 Elapsed Time: 4274235 (ns) Cycles/Word: 130

sqrtdp\_i 32K words - Elapsed Cycles: 342197 Elapsed Time: 342197 (ns) Cycles/Word: 10

atansp 1M words - Elapsed Cycles: 79823113 Elapsed Time: 79823113 (ns) Cycles/Word: 76

atansp\_i 1M words - Elapsed Cycles: 15140365 Elapsed Time: 15140365 (ns) Cycles/Word: 14

atandp 1M words - Elapsed Cycles: 346875657 Elapsed Time: 346875657 (ns) Cycles/Word: 330

atandp\_i 1M words - Elapsed Cycles: 210968642 Elapsed Time: 210968642 (ns) Cycles/Word: 201

atan2sp 1M words - Elapsed Cycles: 106964256 Elapsed Time: 106964256 (ns) Cycles/Word: 102

atan2sp\_i 1M words - Elapsed Cycles: 83835749 Elapsed Time: 83835749 (ns) Cycles/Word: 79

atan2sdp 1M words - Elapsed Cycles: 419881548 Elapsed Time: 419881548 (ns) Cycles/Word: 400

atan2dp\_i 1M words - Elapsed Cycles: 266657875 Elapsed Time: 266657875 (ns) Cycles/Word: 254

cossp 1M words - Elapsed Cycles: 87489176 Elapsed Time: 87489176 (ns) Cycles/Word: 83

cossp\_i 1M words - Elapsed Cycles: 14091590 Elapsed Time: 14091590 (ns) Cycles/Word: 13

cosdp 1M words - Elapsed Cycles: 182911391 Elapsed Time: 182911391 (ns) Cycles/Word: 174

cosdp\_i 1M words - Elapsed Cycles: 17237922 Elapsed Time: 17237922 (ns) Cycles/Word: 16

divsp 1M words - Elapsed Cycles: 43001107 Elapsed Time: 43001107 (ns) Cycles/Word: 41

divsp\_i 1M words - Elapsed Cycles: 36473943 Elapsed Time: 36473943 (ns) Cycles/Word: 34

divdp 1M words - Elapsed Cycles: 106562689 Elapsed Time: 106562689 (ns) Cycles/Word: 101

divdp\_i 1M words - Elapsed Cycles: 54299701 Elapsed Time: 54299701 (ns) Cycles/Word: 51

expsp 1M words - Elapsed Cycles: 42405164 Elapsed Time: 42405164 (ns) Cycles/Word: 40

expsp\_i 1M words - Elapsed Cycles: 13042862 Elapsed Time: 13042862 (ns) Cycles/Word: 12

expdp 1M words - Elapsed Cycles: 39400543 Elapsed Time: 39400543 (ns) Cycles/Word: 37

expdp\_i 1M words - Elapsed Cycles: 37160768 Elapsed Time: 37160768 (ns) Cycles/Word: 35

exp10sp 1M words - Elapsed Cycles: 42404217 Elapsed Time: 42404217 (ns) Cycles/Word: 40

exp10sp\_i 1M words - Elapsed Cycles: 10946206 Elapsed Time: 10946206 (ns) Cycles/Word: 10

exp10dp 1M words - Elapsed Cycles: 53999200 Elapsed Time: 53999200 (ns) Cycles/Word: 51

exp10dp\_i 1M words - Elapsed Cycles: 43452225 Elapsed Time: 43452225 (ns) Cycles/Word: 41

exp2sp 1M words - Elapsed Cycles: 42409026 Elapsed Time: 42409026 (ns) Cycles/Word: 40

exp2sp\_i 1M words - Elapsed Cycles: 9898011 Elapsed Time: 9898011 (ns) Cycles/Word: 9

exp2dp 1M words - Elapsed Cycles: 54144825 Elapsed Time: 54144825 (ns) Cycles/Word: 51

exp2dp\_i 1M words - Elapsed Cycles: 43452210 Elapsed Time: 43452210 (ns) Cycles/Word: 41

log10sp 1M words - Elapsed Cycles: 87491039 Elapsed Time: 87491039 (ns) Cycles/Word: 83

log10sp\_i 1M words - Elapsed Cycles: 11994401 Elapsed Time: 11994401 (ns) Cycles/Word: 11

log10dp 1M words - Elapsed Cycles: 110541315 Elapsed Time: 110541315 (ns) Cycles/Word: 105

log10dp\_i 1M words - Elapsed Cycles: 166132523 Elapsed Time: 166132523 (ns) Cycles/Word: 158

log2sp 1M words - Elapsed Cycles: 87491092 Elapsed Time: 87491092 (ns) Cycles/Word: 83

log2sp\_i 1M words - Elapsed Cycles: 11994440 Elapsed Time: 11994440 (ns) Cycles/Word: 11

log2dp 1M words - Elapsed Cycles: 151988451 Elapsed Time: 151988451 (ns) Cycles/Word: 144

log2dp\_i 1M words - Elapsed Cycles: 175387932 Elapsed Time: 175387932 (ns) Cycles/Word: 167

logsp 1M words - Elapsed Cycles: 86442447 Elapsed Time: 86442447 (ns) Cycles/Word: 82

logsp\_i 1M words - Elapsed Cycles: 10945826 Elapsed Time: 10945826 (ns) Cycles/Word: 10

logdp 1M words - Elapsed Cycles: 127692026 Elapsed Time: 127692026 (ns) Cycles/Word: 121

logdp\_i 1M words - Elapsed Cycles: 168335670 Elapsed Time: 168335670 (ns) Cycles/Word: 160

powsp 1M words - Elapsed Cycles: 35974638 Elapsed Time: 35974638 (ns) Cycles/Word: 34

powsp\_i 1M words - Elapsed Cycles: 103614347 Elapsed Time: 103614347 (ns) Cycles/Word: 98

powdp 1M words - Elapsed Cycles: 62521210 Elapsed Time: 62521210 (ns) Cycles/Word: 59

powdp\_i 1M words - Elapsed Cycles: 287957407 Elapsed Time: 287957407 (ns) Cycles/Word: 274

recipsp 1M words - Elapsed Cycles: 37157512 Elapsed Time: 37157512 (ns) Cycles/Word: 35

recipsp\_i 1M words - Elapsed Cycles: 4719235 Elapsed Time: 4719235 (ns) Cycles/Word: 4

recipdp 1M words - Elapsed Cycles: 92733841 Elapsed Time: 92733841 (ns) Cycles/Word: 88

recipdp\_i 1M words - Elapsed Cycles: 7865265 Elapsed Time: 7865265 (ns) Cycles/Word: 7

rsqrtsp 1M words - Elapsed Cycles: 48693633 Elapsed Time: 48693633 (ns) Cycles/Word: 46

rsqrtsp\_i 1M words - Elapsed Cycles: 5702513 Elapsed Time: 5702513 (ns) Cycles/Word: 5

rsqrtdp 1M words - Elapsed Cycles: 126288292 Elapsed Time: 126288292 (ns) Cycles/Word: 120

rsqrtdp\_i 1M words - Elapsed Cycles: 8914026 Elapsed Time: 8914026 (ns) Cycles/Word: 8

sinsp 1M words - Elapsed Cycles: 81199489 Elapsed Time: 81199489 (ns) Cycles/Word: 77

sinsp\_i 1M words - Elapsed Cycles: 9897346 Elapsed Time: 9897346 (ns) Cycles/Word: 9

sindp 1M words - Elapsed Cycles: 141710696 Elapsed Time: 141710696 (ns) Cycles/Word: 135

sindp\_i 1M words - Elapsed Cycles: 21431823 Elapsed Time: 21431823 (ns) Cycles/Word: 20

sqrtsp 1M words - Elapsed Cycles: 52887935 Elapsed Time: 52887935 (ns) Cycles/Word: 50

sqrtsp\_i 1M words - Elapsed Cycles: 6751242 Elapsed Time: 6751242 (ns) Cycles/Word: 6

sqrtdp 1M words - Elapsed Cycles: 136774029 Elapsed Time: 136774029 (ns) Cycles/Word: 130

sqrtdp\_i 1M words - Elapsed Cycles: 10945787 Elapsed Time: 10945787 (ns) Cycles/Word: 10

atansp 1G words - Elapsed Cycles: 76710696217 Elapsed Time: 76710696217 (ns) Cycles/Word: 71

atansp\_i 1G words - Elapsed Cycles: 15503573416 Elapsed Time: 15503573416 (ns) Cycles/Word: 14

atandp 1G words - Elapsed Cycles: 241162007583 Elapsed Time: 241162007583 (ns) Cycles/Word: 224

atandp\_i 1G words - Elapsed Cycles: 161614052630 Elapsed Time: 161614052630 (ns) Cycles/Word: 150

atan2sp 1G words - Elapsed Cycles: 25865278148 Elapsed Time: 25865278148 (ns) Cycles/Word: 24

atan2sp\_i 1G words - Elapsed Cycles: 85845364464 Elapsed Time: 85845364464 (ns) Cycles/Word: 79

atan2sdp 1G words - Elapsed Cycles: 97312861123 Elapsed Time: 97312861123 (ns) Cycles/Word: 90

atan2dp\_i 1G words - Elapsed Cycles: 169908805566 Elapsed Time: 169908805566 (ns) Cycles/Word: 158

cossp 1G words - Elapsed Cycles: 89590681352 Elapsed Time: 89590681352 (ns) Cycles/Word: 83

cossp\_i 1G words - Elapsed Cycles: 14429677742 Elapsed Time: 14429677742 (ns) Cycles/Word: 13

cosdp 1G words - Elapsed Cycles: 187301202554 Elapsed Time: 187301202554 (ns) Cycles/Word: 174

cosdp\_i 1G words - Elapsed Cycles: 17651462539 Elapsed Time: 17651462539 (ns) Cycles/Word: 16

divsp 1G words - Elapsed Cycles: 44029119454 Elapsed Time: 44029119454 (ns) Cycles/Word: 41

divsp\_i 1G words - Elapsed Cycles: 37346865138 Elapsed Time: 37346865138 (ns) Cycles/Word: 34

divdp 1G words - Elapsed Cycles: 109119361897 Elapsed Time: 109119361897 (ns) Cycles/Word: 101

divdp\_i 1G words - Elapsed Cycles: 55600434209 Elapsed Time: 55600434209 (ns) Cycles/Word: 51

expsp 1G words - Elapsed Cycles: 43419787664 Elapsed Time: 43419787664 (ns) Cycles/Word: 40

expsp\_i 1G words - Elapsed Cycles: 13355768158 Elapsed Time: 13355768158 (ns) Cycles/Word: 12

expdp 1G words - Elapsed Cycles: 40198716730 Elapsed Time: 40198716730 (ns) Cycles/Word: 37

expdp\_i 1G words - Elapsed Cycles: 38052529162 Elapsed Time: 38052529162 (ns) Cycles/Word: 35

exp10sp 1G words - Elapsed Cycles: 43419772213 Elapsed Time: 43419772213 (ns) Cycles/Word: 40

exp10sp\_i 1G words - Elapsed Cycles: 11208690070 Elapsed Time: 11208690070 (ns) Cycles/Word: 10

exp10dp 1G words - Elapsed Cycles: 55231020850 Elapsed Time: 55231020850 (ns) Cycles/Word: 51

exp10dp\_i 1G words - Elapsed Cycles: 44494994073 Elapsed Time: 44494994073 (ns) Cycles/Word: 41

exp2sp 1G words - Elapsed Cycles: 43419790988 Elapsed Time: 43419790988 (ns) Cycles/Word: 40

exp2sp\_i 1G words - Elapsed Cycles: 10135353700 Elapsed Time: 10135353700 (ns) Cycles/Word: 9

exp2dp 1G words - Elapsed Cycles: 55231166485 Elapsed Time: 55231166485 (ns) Cycles/Word: 51

exp2dp\_i 1G words - Elapsed Cycles: 44494980092 Elapsed Time: 44494980092 (ns) Cycles/Word: 41

log10sp 1G words - Elapsed Cycles: 89590682671 Elapsed Time: 89590682671 (ns) Cycles/Word: 83

log10sp\_i 1G words - Elapsed Cycles: 12282082323 Elapsed Time: 12282082323 (ns) Cycles/Word: 11

log10dp 1G words - Elapsed Cycles: 48851403492 Elapsed Time: 48851403492 (ns) Cycles/Word: 45

log10dp\_i 1G words - Elapsed Cycles: 160467008682 Elapsed Time: 160467008682 (ns) Cycles/Word: 149

log2sp 1G words - Elapsed Cycles: 89590682721 Elapsed Time: 89590682721 (ns) Cycles/Word: 83

log2sp\_i 1G words - Elapsed Cycles: 12282068387 Elapsed Time: 12282068387 (ns) Cycles/Word: 11

log2dp 1G words - Elapsed Cycles: 48892850626 Elapsed Time: 48892850626 (ns) Cycles/Word: 45

log2dp\_i 1G words - Elapsed Cycles: 160476264090 Elapsed Time: 160476264090 (ns) Cycles/Word: 149

logsp 1G words - Elapsed Cycles: 88516941279 Elapsed Time: 88516941279 (ns) Cycles/Word: 82

logsp\_i 1G words - Elapsed Cycles: 11208326528 Elapsed Time: 11208326528 (ns) Cycles/Word: 10

logdp 1G words - Elapsed Cycles: 47795860954 Elapsed Time: 47795860954 (ns) Cycles/Word: 44

logdp\_i 1G words - Elapsed Cycles: 160469211830 Elapsed Time: 160469211830 (ns) Cycles/Word: 149

powsp 1G words - Elapsed Cycles: 30077262308 Elapsed Time: 30077262308 (ns) Cycles/Word: 28

powsp\_i 1G words - Elapsed Cycles: 106127997425 Elapsed Time: 106127997425 (ns) Cycles/Word: 98

powdp 1G words - Elapsed Cycles: 39350259391 Elapsed Time: 39350259391 (ns) Cycles/Word: 36

powdp\_i 1G words - Elapsed Cycles: 291607516484 Elapsed Time: 291607516484 (ns) Cycles/Word: 271

recipsp 1G words - Elapsed Cycles: 38051073794 Elapsed Time: 38051073794 (ns) Cycles/Word: 35

recipsp\_i 1G words - Elapsed Cycles: 4832466900 Elapsed Time: 4832466900 (ns) Cycles/Word: 4

recipdp 1G words - Elapsed Cycles: 94959405676 Elapsed Time: 94959405676 (ns) Cycles/Word: 88

recipdp\_i 1G words - Elapsed Cycles: 8053958064 Elapsed Time: 8053958064 (ns) Cycles/Word: 7

rsqrtsp 1G words - Elapsed Cycles: 49862235083 Elapsed Time: 49862235083 (ns) Cycles/Word: 46

rsqrtsp\_i 1G words - Elapsed Cycles: 5839337617 Elapsed Time: 5839337617 (ns) Cycles/Word: 5

rsqrtdp 1G words - Elapsed Cycles: 129319172001 Elapsed Time: 129319172001 (ns) Cycles/Word: 120

rsqrtdp\_i 1G words - Elapsed Cycles: 9127867684 Elapsed Time: 9127867684 (ns) Cycles/Word: 8

sinsp 1G words - Elapsed Cycles: 83148231626 Elapsed Time: 83148231626 (ns) Cycles/Word: 77

sinsp\_i 1G words - Elapsed Cycles: 10134752413 Elapsed Time: 10134752413 (ns) Cycles/Word: 9

sindp 1G words - Elapsed Cycles: 142206885448 Elapsed Time: 142206885448 (ns) Cycles/Word: 132

sindp\_i 1G words - Elapsed Cycles: 21946108173 Elapsed Time: 21946108173 (ns) Cycles/Word: 20

sqrtsp 1G words - Elapsed Cycles: 54157202380 Elapsed Time: 54157202380 (ns) Cycles/Word: 50

sqrtsp\_i 1G words - Elapsed Cycles: 6913163402 Elapsed Time: 6913163402 (ns) Cycles/Word: 6

sqrtdp 1G words - Elapsed Cycles: 140056562283 Elapsed Time: 140056562283 (ns) Cycles/Word: 130

sqrtdp\_i 1G words - Elapsed Cycles: 11208354423 Elapsed Time: 11208354423 (ns) Cycles/Word: 10

Test Complete!