

%% /u/sy/beebe/tex/talks/geophys-2002/fogelson.txt, Mon Mar 18 10:09:40 2002

%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

<http://www.math.utah.edu/pub/benchmarks/local/fogelson/SUMMARY.html>

```
=====
Benchmark      Machine                Compiler and optimization
=====
dp5_4dim       Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O5
dp5_4dim       Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev5 -fpe0 -O5
dp5_4dim       AMD Athlon 2-1400                f77 -O4 -malign-double -malign-loops=4
                                     -malign-functions=4
dp5_4dim       Intel Pentium III                  f77 -O5
dp5_4dim       Intel Pentium III-600              pgf90 -O2 -tp p6 -Munroll -Mnoframe -Mvect=sse
dp5_4dim       Sun SunFire 880                    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                     -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                     -ftrap=%none
dp5_4dim       IBM RS/6000 44P-270                xlf95 -qfixed -O3 -qarch=pwr3
dp5_4dim       Compaq/DEC Alpha 4100-5-466         f77 -fpe0 -O5
dp5_4dim       IBM RS/6000-43P-100                 xlf -O1
dp5_4dim       DEC AlphaStation 500-400            f77 -tune ev5 -fpe0 -O5
dp5_4dim       Sun Ultra Enterprise 450/400         f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                     -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                     -ftrap=%none
=====
drv3           IBM RS/6000 44P-270                xlf95 -qfixed -O4 -qarch=pwr3
drv3           Compaq AlphaServer ES40 Sierra/667     f90 -fpe2 -arch ev6 -tune ev6 -fpe2 -align
                                     -inline all -pipeline -speculate all
                                     -unroll 4 -O5
drv3           Compaq AlphaServer ES40 DEC6600/500     f90 -fpe1 -arch ev6 -tune ev6 -fpe2 -align
                                     -inline all -pipeline -speculate all
                                     -unroll 4 -O5
drv3           AMD Athlon 2-1400                    f77 -O2
drv3           Sun SunFire 880                       f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                     -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                     -ftrap=%none
drv3           SGI Indigo R4000-100                 f77 -O2 -static -mips2 -sopt,-r=3,-o=5
drv3           Intel Pentium III                     f77 -g
drv3           Sun Ultra Enterprise 450/400          f90 -g -dalign -xlibmil -fsimple=2 -fns
                                     -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                     -ftrap=%none
=====
drv6           Compaq AlphaServer ES40 DEC6600/500     f77 -fpe2 -O1
```


% /u/sy/beebe/tex/talks/geophys-2002/othmer.txt, Mon Mar 18 10:11:03 2002
% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

<http://www.math.utah.edu/pub/benchmarks/local/othmer/SUMMARY.html>

```
=====
Benchmark      Machine      Compiler and optimization
=====
1dmidlr      Compaq AlphaServer ES40 Sierra/667      f90 -fpe3 -arch ev5 -tune ev5 -fpe2 -ali
-inline all -pipeline -speculate all
-unroll 4 -O5
1dmidlr      Compaq AlphaServer ES40 DEC6600/500      f90 -fpe2 -arch ev5 -tune ev5 -fpe2 -ali
-inline all -pipeline -speculate all
-unroll 4 -O3
1dmidlr      IBM RS/6000 44P-270      xlf -O3 -qarch=pwr3
1dmidlr      Sun SunFire 880      f77 -O5 -dalign -libmil -fsimple=2 -fns
-xtarget=ultral/170
1dmidlr      Compaq/DEC Alpha 4100-5-466      f77 -tune ev5 -fpe0 -O5
1dmidlr      Intel Pentium III-600      pgf77 -O2 -tp p6 -Munroll -Mnoframe
1dmidlr      SGI Octane R10000-195      f77 -O2 -static -mips4
1dmidlr      SGI Origin/200 R10000-180      f77 -O2 -static
1dmidlr      Sun SunBlade 100 UltraSPARC IIE f77 -O5 -dalign -libmil -fsimple=2 -fns
-xtarget=ultral/170
1dmidlr      Sun UltraSPARC 10-440      f77 -O4 -dalign -libmil -fsimple=2 -fns
-xtarget=ultral/170
1dmidlr      DEC AlphaStation 500-400      f77 -tune ev5 -fpe0 -O2
1dmidlr      IBM RS/6000 43P-260-200      xlf -O3 -qarch=pwr3
1dmidlr      Sun Ultra Enterprise 450/400      f77 -O5 -dalign -libmil -fsimple=2 -fns
-xtarget=ultral/170
=====
adilr      Compaq AlphaServer ES40 DEC6600/500      f77 -tune ev5 -fpe0 -O4
adilr      Sun SunBlade 100 UltraSPARC IIE f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
-xtarget=ultral/170 -xprefetch=yes -unroll=4
-ftrap=%none
adilr      IBM RS/6000 44P-270      xlf95 -O3 -qarch=pwr3
adilr      Compaq/DEC Alpha 4100-5-466      f77 -tune ev5 -fpe0 -O5
adilr      Sun SunFire 880      f77 -O4 -dalign -libmil -fsimple=2 -fns
-xtarget=ultral/170
adilr      Intel Pentium III-600      pgf77 -O2 -tp p6 -Munroll -Mnoframe
adilr      SGI Octane R10000-195      f77 -O2 -static -mips4
adilr      Intel Pentium II MMX-450      f77 -O2 -malign-double -malign-loops=4
-malign-functions=4
adilr      SGI Origin/200 R10000-180      f77 -O2 -static
```

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adilr      DEC AlphaStation 500-400      f77 -tune ev5 -fpe0 -O4
adilr      Sun UltraSPARC 10-440          f77 -O4 -dalign -libmil -fsimple=2 -fns
          -xtarget=ultral/170
adilr      IBM RS/6000 43P-260-200      xlf -O3 -garch=pwr3
adilr      Sun Ultra Enterprise 450/400  f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
          -xtarget=ultral/170 -xprefetch=yes -unroll=4
          -ftrap=%none
=====
pattern    Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O4
pattern    Compaq AlphaServer ES40 DEC6600/500  f77 -tune ev6 -fpe0 -O4
pattern    IBM RS/6000 44P-270                    xlf90 -O4 -garch=pwr3
pattern    Sun SunFire 880                        f90 -g -dalign -xlibmil -fsimple=2 -fns
          -xtarget=ultral/170 -xprefetch=yes -unroll=4
          -ftrap=%none
pattern    IBM RS/6000 43P-260-200                xlf -O3 -garch=pwr3
pattern    Sun Ultra Enterprise 450/400          f77 -O3 -dalign -libmil -fsimple=2 -fns
          -xtarget=ultral/170
pattern    Sun Ultra 60-360                       f77 -O5 -dalign -libmil -fsimple=2 -fns
          -xtarget=ultral/170
pattern    Compaq/DEC Alpha 4100-5-466           f77 -fpe0 -O5
pattern    Sun Enterprise 5500-400               f77 -O4 -dalign -libmil -fsimple=2 -fns
          -xtarget=ultral/170
pattern    Intel Pentium III-600                  pgf90 -O2 -tp p6 -Munroll -Mnoframe
pattern    Sun UltraSPARC 10-440                  f77 -O4 -dalign -libmil -cg89
pattern    Sun Ultra Enterprise 250-400          f77 -O4 -dalign -libmil -cg89
pattern    Sun SunBlade 100 UltraSPARC IIE f90 -xO1 -dalign -xlibmil -fsimple=2 -fns
          -xtarget=ultral/170 -xprefetch=yes -unroll=4
          -ftrap=%none
=====

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The full set of results is available at

<http://www.math.utah.edu/pub/benchmarks/local/rmm/SUMMARY.html>

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=====
Benchmark      Machine      Compiler and optimization
=====
eulshdp      Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O2
eulshdp      Compaq AlphaServer ES40 DEC6600/500      f77 -fpe0 -O2
eulshdp      AMD Athlon 2-1400      f77 -O1 -malign-double -malign-loops=4
                        -malign-functions=4
eulshdp      IBM RS/6000 44P-270      xlf90 -O4 -qarch=pwr3
eulshdp      Intel Pentium III      f77 -O3
eulshdp      Intel Pentium III-600      pgf77 -O2 -tp p6 -Munroll -Mnoframe
eulshdp      Compaq/DEC Alpha 4100-5-466      f77 -fpe0 -O4
eulshdp      SGI Origin/200 R10000-180      f77 -O2 -static
eulshdp      DEC AlphaStation 500-400      f77 -tune ev5 -fpe0 -O2
eulshdp      IBM RS/6000 43P-260-200      xlf -O3 -qarch=pwr3
eulshdp      SGI O2 R10000-SC-150      f77 -O2 -static -mips4
eulshdp      Sun SunBlade 100 UltraSPARC IIE f77 -O5 -dalign -libmil -fsimple=2 -fns
                        -xtarget=ultral/170
eulshdp      Sun SunFire 880      f77 -O5 -dalign -libmil -fsimple=2 -fns
                        -xtarget=ultral/170
=====
eulshsp      Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O2
eulshsp      Compaq AlphaServer ES40 DEC6600/500      f77 -fpe0 -O5
eulshsp      AMD Athlon 2-1400      f77 -O2 -malign-double -malign-loops=4
                        -malign-functions=4
eulshsp      IBM RS/6000 44P-270      xlf90 -O4 -qarch=pwr3
eulshsp      Intel Pentium III      f77 -O3
eulshsp      Compaq/DEC Alpha 4100-5-466      f77 -tune ev5 -fpe0 -O5
eulshsp      Intel Pentium III-600      pgf77 -O2
eulshsp      SGI Origin/200 R10000-180      f77 -O2 -static -mips4
eulshsp      DEC AlphaStation 500-400      f77 -tune ev5 -fpe0 -O5
eulshsp      SGI O2 R10000-SC-150      f77 -O2 -static -mips4
eulshsp      IBM RS/6000 43P-260-200      xlf -O3 -qarch=pwr3
eulshsp      Sun SunBlade 100 UltraSPARC IIE f90 -g -dalign -xlibmil -fsimple=2 -fns
                        -xtarget=ultral/170 -xprefetch=yes -unroll=4
                        -ftrap=%none
eulshsp      Sun SunFire 880      f77 -O3 -dalign -libmil -cg89
=====

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% /u/sy/beebe/tex/talks/geophys-2002/xie.txt, Mon Mar 18 10:12:10 2002
% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

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<http://www.math.utah.edu/pub/benchmarks/local/xie/SUMMARY.html>

```
=====
Benchmark      Machine      Compiler and optimization
=====
adi3d-btr-1    Compaq AlphaServer ES40 Sierra/667    f77 -tune ev6 -fpe0 -O5
adi3d-btr-1    IBM RS/6000 44P-270                  xlf90 -O4 -garch=pwr3
adi3d-btr-1    AMD Athlon 2-1400                     f77 -O4 -malign-double -malign-loops=4
                                           -malign-functions=4
adi3d-btr-1    Sun SunFire 880                       f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                           -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                           -ftrap=%none
adi3d-btr-1    Compaq AlphaServer ES40 DEC6600/500   f77 -fpe0 -O3
adi3d-btr-1    Intel Pentium III-600                 pgf90 -O2 -tp p6 -Munroll -Mnoframe -Mvect=sse
adi3d-btr-1    Intel Pentium III                     f77 -O5 -malign-double -malign-loops=4
                                           -malign-functions=4
adi3d-btr-1    IBM RS/6000 43P-260-200              xlf -O3 -garch=pwr3
adi3d-btr-1    Sun SunBlade 100 UltraSPARC IIE f77 -O4 -dalign -libmil -fsimple=2 -fns
                                           -xtarget=ultral/170
adi3d-btr-1    Compaq/DEC Alpha 4100-5-466          f77 -fpe0 -O5
adi3d-btr-1    Sun Ultra Enterprise 450/400          f77 -O4 -dalign -libmil -fsimple=2 -fns
                                           -xtarget=ultral/170
adi3d-btr-1    Sun Ultra Enterprise 250-400          f77 -O4 -dalign -libmil -fsimple=2 -fns
                                           -xtarget=ultral/170
=====
adi3d-btr-2    Compaq AlphaServer ES40 Sierra/667    -tune ev5 -fpe0 -O3
adi3d-btr-2    AMD Athlon 2-1400                     -O1 -malign-double -malign-loops=4
                                           -malign-functions=4
adi3d-btr-2    Compaq AlphaServer ES40 DEC6600/500   -fpe0 -O4
adi3d-btr-2    IBM RS/6000 44P-270                   -O4 -garch=pwr3
adi3d-btr-2    Sun SunFire 880                       -xO4 -dalign -xlibmil -fsimple=2 -fns
                                           -xtarget=ultral/170 -xprefetch=yes -unroll=4
                                           -ftrap=%none
adi3d-btr-2    Intel Pentium III                     -g -malign-double -malign-loops=4
                                           -malign-functions=4
adi3d-btr-2    Intel Pentium III-600                 -O2 -tp p6 -Munroll -Mnoframe
adi3d-btr-2    Sun SunBlade 100 UltraSPARC IIE -O4 -dalign -libmil -fsimple=2 -fns -xsafe=mem
=====
```

