Test on AlmaLinux-9

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Activities   Firefox   May 20 21:53

Climate Change | MIT - M: ×   +

https://www.mit.edu/topic/climate-change/

AlmaLinux   Documentation   Blog   Bug tracker   GitHub organization

Massachusetts Institute of Technology

Education   Research   Innovation   Admissions + Aid   Campus Life   News   Alumni   About MIT

MIT on Climate Change

300+
Number of MIT's 1,080 faculty members working on projects to address climate change

6
Number of MIT's five schools (and one college) whose faculty are working on questions related to climate change

What MIT is doing on climate change

99
Number of MIT OpenCourseWare courses on the

Oracle VM

File   Machine

Tool

Wind
R

mtanaka@physique:~

```
[mtanaka@physique ~]$ ls
aaa.sh              Documents                  old_atmfuncs.f
aaa.txt             Downloads                  old-SIESTA_atmfuncs.f
a_bashrc            EnglishKey                 OpenBLAS-0.3.27
aclocal.m4          fftw-3.3.10                OpenBLAS-0.3.27.tar.gz
a.f                 fftw-3.3.10.tar.gz         openmpi-4.1.6.tar.gz
a.f03               final_H_f_stress.F         p3mtip5
a_mpich_how         final-SIESTA_H_f_stress.F  Pictures
anaconda-ks.cfg     Genice3                    Public
a.out               gpg-sign                   scalapack-2.2.0
arch.make           libopenblas                scalapack-2.2.0.tar.gz
AUTOEXEC.BAT        LOCALE                     sh_obj
autogen.sh          log-fftw3                  Siesta4
autorun.inf         log-mpich                  siesta-4.1-b4gcc
bbb.txt             MPI_aggr                   siesta-4.1-b4gcc.tar.gz
C12H48-MD11         mpich-4.2.1                siesta-master.tar.gz
COMMAND.COM         mpich-4.2.1.tar.gz         siesta.tar.gz
conf-fftw3          MPI_chinv3                 SLmake.inc_scalapack
configure           MPI_expl                   SUSE
conf-mpich          MPI_nano                   'System Volume Information'
conf-mpich-log      mrg37                      Templates
Desktop             Music                      Videos
[mtanaka@physique ~]$
```

Test of Siesta-4.1b on AlmaLinux-9

```
Siesta Version   : v4.1-b4
Architecture     : gfortran-MPI
Compiler version: GNU Fortran (GCC) 11.4.1 20231218 (Red Hat 11.4.1-3)
Compiler flags   : mpifort  -O2 -fPIC -ftree-vectorize -march=native -fallow-argu
ment-mismatch
PP flags         : -DMPI -DFC_HAVE_ABORT
Libraries        :  -lgomp -L/opt/openblas/lib -lopenblas -L/opt/scalapack/lib -l
scalapack
PARALLEL version

* Running on 6 nodes in parallel
>> Start of run:  19-MAY-2024    9:47:54

                    ************************
                    *   WELCOME TO SIESTA   *
                    ************************
```

-fallow-argument-mismatch is added on AlmaLinux-9