Test on AlmaLinux-9

Climate Change | MIT - M. ×   +

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

AlmaLinux   Documentation   Blog   Bug tracker   GitHub organization

Massachusetts Institute of Technology

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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

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