

Oscar: Software Modules

If you require a software package that is not currently available on the Oscar cluster, please contact ICERM's IT staff and we will work with CCV to get the software installed.

Currently Available Modules

This list is current as of July 26, 2019. To see the most up to date list of software modules, log into your Oscar account and run the command `module avail`.

```

~~~~~ category:
~~~~~
JAGS/4.2.0          cesm_post_process/Oct18  pigz/2.4
bxh_xcede_tools/1.11.14  confocal/1.0
~~~~~ category: Microstructure modeling
~~~~~
oof2/2.1.17
~~~~~ category: access controlled
~~~~~
Molpro/2012.1.15      Molpro/2018.2_no_ga      vasp/5.4.1
Molpro/2015_gcc       gaussian/g09              vasp/5.4.1_debug
Molpro/2015_serial    gaussian/g09-D01         vasp/5.4.4
Molpro/2018.2_ga      gaussian/g09-D01-TEST    vasp/5.4.4a
~~~~~ category: chemistry
~~~~~
schrodinger/2017-3
~~~~~ category: graph partitioning
~~~~~
metis/5.1.0          parmetis/4.0.3  scotch/6.0.4
~~~~~ category: image processing
~~~~~
multinest/3.10      openslide/3.4.1
~~~~~ category: libraries
~~~~~
astropy/3.2.1          tensorflow/1.1.0_cpu
blas/3.7.0             tensorflow/1.1.0_gpu
cudnn/5.1              tensorflow/1.13.1_cpu_py3
cudnn/6.0              tensorflow/1.13.1_gpu
cudnn/7.0              tensorflow/1.13.1_gpu_keras
cudnn/7.4              tensorflow/1.13.1_gpu_py3
dlib/19.17            tensorflow/1.13.1_gpu_py36
flann/1.8.4           tensorflow/1.14.0_gpu_py36
hnn/1.0               tensorflow/1.4.1_cpu
horovod/0.16          tensorflow/1.4.1_cpu_py3
lapack/3.6.0          tensorflow/1.4.1_gpu
lapack/3.7.0          tensorflow/1.4.1_gpu_py3
mumps/5.0.2           tensorflow/1.4.1_gpu_py3_cuda9.1
mumps/5.0.2-seq      tensorflow/1.5.0_cpu_py3

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```

pcl/1.9.1                tensorflow/1.5.0_gpu
pcl/1.9.1_nurbs          tensorflow/1.5.0_gpu_py3
scalapack/2.0.2
~~~~~ category: library
~~~~~
openslide-python/1.1.1
~~~~~ category: machine learning
~~~~~
keras/2.0.9      keras/2.1.1      keras/2.1.3_py3  nccl/2.4.7
~~~~~ category: math
~~~~~
gsl/1.15  gsl/2.3  gsl/2.5
~~~~~ category: package
~~~~~
subread/1.6.2
~~~~~ category: software
~~~~~
mriconvert/2.1.0
~~~~~ category: utility
~~~~~
mriconvert/2.1.0
~~~~~ category: visualization
~~~~~
mayavi/4.6.0
~~~~~ category: (none)
~~~~~
HiC-Pro/2.7.8      neuron/7.5      skewer/0.2.1
HiC-Pro~/2.10.0   pdflib/7.0.5    squashfs/4.3
canu/1.7.1         pypy/6.0.0_2.7  tmux/2.8
fiji/2017-java6   pypy/6.0.0_3.5  transrate/1.0.3
grads/2.2.0       repeatmasker/4.0.7
ncl/6.4.0         repeatmodeler/1.0.11
~~~~~ category: Applied Maths
~~~~~
oof2/2.1.17
~~~~~ category: Astrophysics
~~~~~
polychord/1.0
~~~~~ category: Bioinformatics
~~~~~
MultiQC/1.0      muscle/3.8.31
~~~~~ category: Computer Architecture
~~~~~
risc/1.0
~~~~~ category: Executable for ceckpointings
~~~~~
dmtcp/2.6.0
~~~~~ category: Flag for CMAKE for fast build
~~~~~
ninja/1.9.0
~~~~~ category: GENETEICS

```

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~~~~~
eigensoft/6.0
~~~~~ category: Genomic
~~~~~
Genrich/0.5  mcscanx/1.0
~~~~~ category: Genomic Library
~~~~~
redundans/1.0
~~~~~ category: Genomics
~~~~~
beast/1.10.4  beast/2.5.2
~~~~~ category: Genomics Sequencing Alignment
~~~~~
qualimap/2.2.1
~~~~~ category: Graphics
~~~~~
beagle/1.0.0
~~~~~ category: Helper function type
~~~~~
datamash/1.3
~~~~~ category: I/O
~~~~~
hdf5/1.10.0          jasper/1.900.1-intel    netcdf/4.4.1.1_pgi
hdf5/1.10.1_parallel nco/4.6.6               netcdf/4.7.0_intel2019.3
hdf5/1.10.5         netcdf/3.6.3           sqlite/3.25.2
hdf5/1.10.5_fortran netcdf/4.4.1.1_gcc     udunits/2.2.24
hdf5/1.10.5_parallel netcdf/4.4.1.1_intel
~~~~~ category: Image processing and visualization
~~~~~
opencv-python/4.1.0.25
~~~~~ category: Library for optimizer
~~~~~
numbbo/2.3_python2  numbbo/2.3_python3
~ category: Material sceince:
https://icet.materialsmodeling.org/overview.html ~
icet/0.3
~~~~~ category: Medical imaging
~~~~~
mricrogl/1.0
~~~~~ category: Multifunctional Wavefunction Analyzer
~~~~~
multiwfn/3.3.9
~~~~~ category: Numerical Library
~~~~~
ngsolve/6.2.1901
~~~~~ category: Numerical Solver
~~~~~
dedalus/2.1810  nektar++/4.5.0
~~~~~ category: Tool for Image Manipulation
~~~~~
netpbm/10.47.71

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~~~~~ category: Visualization Package Qt's Python API
~~~~~
pyqt/4.12.1
~~~~~ category: X
~~~~~
turbovnc/2.1.1 turbovnc/2.2.1 turbovnc/2.2.b1
~~~~~ category: astronomy
~~~~~
ares/0.1 galfit/3.0.5 sextractor/2.19.5 wcstools/3.9.5
ares/0.5 iraf/2.16 sextractor/2.8.6
cfitsio/3.450 lsst/14.0 swarp/2.38
ds9/7.6 scamp/2.0.4 theli/1.9.5
~~~~~ category: astropy computing
~~~~~
astropy/3.2.1
~~~~~ category: binary for genome studies
~~~~~
bedGraphToBigWig/1.04
~~~~~ category: bio
~~~~~
SNAP/2013-11-29 metavelvet/1.2.01
abyss/2.1.1 migrate/3.6.11
ale/20140120 mira/4.0.2
aliview/1.25 mne/0.17.0
amplisat/20170208 mothur/1.39.5
angsd/0.920 mrbayes/3.2.6
anvio/5.2 msmc/1.0.0
arb/6.0.6 msmc/1.1.0
augustus/3.3 msprime/0.7.0
bamcleave/Oct2018 msprime/0.7.2
bamtools/2.3.0 mummer/4.0.0.beta2
bamtools/2.4.1 namd/2.11-multicore
bbmap/38.23 namd/2.13b1-multicore
bbtools/38.12 nextclip/1.3.1
bcftools/1.9 nseg/20181012
bcl2fastq/2.20.0 obitools/1.2.12
bedops/2.4.35 oligotyping/2.0
bedtools/2.25.0 opera/2.0.6
bedtools/2.26.0 paml/4.8
biolite/1.0.0 pandaseq/2.11
biomed/1.0 paup/4.0a157
biopython/1.66 paup/4.0a165
biopython/1.73 pbsuite/15.8.24
bismark/0.20.0 pcangsd/0.983
blast/2.2.30+ picard-tools/2.9.2
blast/2.6.0+ pilon/1.22
blast/2.7.1+ plink/1.07
blast/2.8.1+ plink/1.90
blast/2.9.0+ plink/2.00
blat/36x2 polyphen/2.2.2
bowtie/1.2.0 prinseq/0.20.4

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bowtie2/2.3.0	prodigal/2.6.3
braker/2.1.0	psmc/0.6.5
busco/3.0.2	psmc/0.6.5a
bwa/0.7.15	pymol/2.2b
ccp4/7.0	qctool/2.0
circlator/1.5.5	qiime/1.9.1
conn/16b	quast/5.0.0
conn/18a	raremetal/4.14.1
conn/18b	raxml/8.2.10
connectome_workbench/1.3.1	raxml-ng/0.9.0
cpac/1.0.1	recon/1.08
cutadapt/1.14	repeatscout/1.0.5
dada2/1.4.1	revbayes/1.0.5
dada2/1.8	revbayes/1.0.6
dbg2olc/Sep2018	rmblastn/2.6.0
dendropy/4.2.0	rsem/1.3.1
diamond/0.9.12	salmon/0.11.3
diamond/0.9.24	salmon/0.8.2
dida/1.0.1	samtools/0.1.18
diffreps/1.55.6	samtools/1.3.1
dlcpar/1.1	samtools/1.4.1
edge-pro/1.3.1	samtools/1.9
emboss/6.6.0	schrodinger/2017-3
entap/0.8.1-beta	selscan/1.2.0a
entap/0.8.4-beta	seqkit/0.10.1
exonerate/2.2.0	seqtk/1.3
fastme/2.1.5	sga/0.10.15
fastqc/0.11.5	sift/6.2.1
fastsimcoal/2	sift4g/2.0.0
fasttree/2.1.10	slicer/4.10.0
fasttree/2.1.11	slim/3.1
fastuniq/1.1	slim/3.2.1
fastx-toolkit/2.6	snippy/Oct2017
fgap/1.8.1	spades/3.10.1
fgbio/0.6.1	spades/3.13.0
figtree/1.4.4	span/0.10.0.4787
flashpca/2.0	spm/spm12
freebayes/1.1.0	sratoolkit/2.8.2-1
freebayes/1.2.0	stacks/2.2
gatk/4.0.9.0	stampy/1.0.32
genemark/4.33	star/2.6.1b
hapbin/1.3.0	star/2.7.2a
hisat2/2.1.0	stringtie/1.3.3b
hmmer/3.1b2	stringtie/1.3.4d
homer/4.10	tabix/0.2.6
hotnet2/1.2.1	tablemaker/2.1.1
htseq/0.9.1	taxonkit/0.3.0
idba/1.1.3	tophat/2.1.1
idemp/20180928	transabyss/2.0.1
interproscan/5.26-65.0	transindel/20181017
interproscan/5.27-66.0	trf/4.09

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interproscan/5.28-67.0      trimal/1.4
interproscan/5.32-71.0      trimgalore/0.5.0
interproscan/5.33-72.0      trimmomatic/0.36
iq-tree/1.6.7               trinity/2.4.0
jellyfish/1.1.11            trinity/2.8.4
jellyfish/2.2.10            usearch/5.2.32
kneaddata/0.6.1             usearch/8.1.1861
kraken/2.0.7-beta           varscan/2.4.3
last/956                     vcftools/0.1.16
macs/2.1.1                  velvet/1.2.10
mafft/7.310-with-extensions velvet/1.2.10a
maker/2.31.10               viennarna/2.4.9
maxbin2/2.2.5               vmd/1.9.3
megahit/1.1.3               vsearch/2.11.1
meraculous/2.2.6           weblogo/2.8.2
metabat/2.12.1

~~~~~ category: bioinformatics
~~~~~

umitools/1.0.0

~~~~~ category: biology
~~~~~

htslib/1.9      libBigWig/0.4.4      mmsplice/0.2.7      wiggletools/1.2.3
~~~~~ category: build tool
~~~~~

scons/3.0.1

~~~~~ category: cave
~~~~~

gigapixelviewer/alpha  minvr/dev_ben      vrg3d/265_compat
minvr/0.3master         planetaryviewer/alpha vrg3d/265_demos
minvr/0.4               scalable/20150828  vrpn/7.33
minvr/beta              scalable/opengl32+
minvr/beta-bleeding     vrg3d/265

~~~~~ category: chemistry
~~~~~

Molpro/2012.1.15      lammps/22Aug18
Molpro/2015_gcc       molden/5.7
Molpro/2015_serial    mrcc/2014-intel
Molpro/2018.2_ga      mrcc/2014-intel-threaded
Molpro/2018.2_no_ga   mrcc/2018-intel
ambertools/amber17    mrcc/2018-intel-threaded
ambertools/amber17_lic nwchem/6.8-openmpi
ase/3.13.0             openbabel/2.4.1
ase/3.8.1              openmolcas/18.09.617
crossrate/2016.3.23   orca/4.0.1.2
dacapo/2.7.16_mvapich2_intel orca/4.1.1
elk/5.2.14            pyscf/1.4.7
gaussian/g09           qchem/5.0.2
gaussian/g09-D01       qchem/5.0.2-openmpi
gaussian/g09-D01-TEST  qmcpack/3.7.0
gaussview/14Aug20     quantumespresso/6.1
gromacs/2018.2        quantumespresso/6.3

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gromacs/2018.2_gpu          quantumespresso/6.4
hande/1.1.1                quantumespresso/6.4.1
hande/1.1.1_64             rotd/2014-11-15_mvapich2
hande/1.1.1_debug         sharc/2.0
hotbit/10mar17            vasp/5.4.1
lammps/11Aug17            vasp/5.4.1_debug
lammps/11Aug17_serial     vasp/5.4.4
lammps/16Mar18            vasp/5.4.4a
lammps/17Nov16           xcrysden/1.5.60
~~~~~ category: clients
~~~~~
aspera/3.8.1
~~~~~ category: climate
~~~~~
cesm/1.2.1  cesm/1.2.2  cesm/2.1.1  esmf/7.1.0r  esmf/8.0.0b
~~~~~ category: compilers
~~~~~
Xvfb/1.10.4      cuda/9.1.85.1      gcc/7.2      java/jdk-12.0.2
clang/3.9.1      cuda/9.2.148      gcc/8.3      llvm/3.8.1
clang/7.0.0      gcc/4.5.4         intel/2011.11.339  llvm/4.0.0
clang/7.1.0      gcc/4.7.2         intel/2013.1.106  nag/6.2
cuda/10.0.130   gcc/4.9.4         intel/2017.0      pgi/16.7
cuda/7.5.18     gcc/5.4           intel/2018.1     swig/3.0.10
cuda/8.0.61     gcc/6.2           intel/2019.3
cuda/9.0.176    gcc/6.3           java/8u111
~~~~~ category: computer architecture
~~~~~
llvmOpenmp/1.0  llvmOpenmp/2.0
~~~~~ category: cross webbrowser web application development environment
~~~~~
chromedriver/2.46
~~~~~ category: data analysis(http://www.mega-nerd.com/)
~~~~~
libsnd/1.0.28
~~~~~ category: data science
~~~~~
catboost/0.8.1      catboost/0.8.1_py3  pandas/py_3.5.2      pandas/py_3.6.6
~~~~~ category: data structure library
~~~~~
dcm2bids/2.1.4
~~~~~ category: debugging and profiling
~~~~~
forge/18.2.3  forge/19.1.2
~~~~~ category: dev
~~~~~
googletest/1.8.0  qemu/4.1.0
~~~~~ category: devel
~~~~~
bazel/0.23.0      glew/2.1.0      opengl/nvidia-410.72
bazel/0.4.4      opengl/mesa-12.0.6  protobuf/3.4.1
bazel/0.5.4      opengl/nvidia-375.66  protobuf/3.6.0_gcc5.4

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glew/1.13.0                opengl/nvidia-390.30
~~~~~
category: engineering
~~~~~
abaqus/2017                ansys/18.1                synopsys/2018.06
abaqus/6.12sp2            comsol/5.4                synopsys/L_2016.03-SP2
~~~~~
category: fMRI
~~~~~
brainiak/Feb2018
~~~~~
category: fonts
~~~~~
freetype/2.7.1
~~~~~
category: gene and species tree
~~~~~
phyllog/1.0
~~~~~
category: genomic
~~~~~
deeptools/3.2.1            py2bit/0.3.0              pyslim/1.0
deeptoolsintervals/0.1.7  pybigwig/0.3.15
partitionfinder/2.1.1     pysam/0.15.2
~~~~~
category: graphics
~~~~~
gnuplot/5.2.3
~~~~~
category: image
~~~~~
c3d/1.0.0                  ffmpeg/4.0.1              isis/3.5.1                openexr/2.2.1
ffmpeg/3.2.4              imagemagick/7.0.7         libgd/2.2.5
~~~~~
category: image converter
~~~~~
mriconvert/2.1.0
~~~~~
category: image processing
~~~~~
libgif/5.1.9              libjpeg-turbo/2.0.2      openjpeg/2.3.1
libjpeg/9.0               mayavi/4.6.0              openslide-python/1.1.1
~~~~~
category: languages
~~~~~
R/3.3.2                    julia/0.6.4              perl/5.24.1
R/3.4.0                    julia/1.0                perl/5.8.9
R/3.4.3                    julia/1.0.2              python/2.7.12
R/3.4.3_mkl                julia/1.1.0              python/2.7.12_clean
R/3.4.4                    julia/1.2.0              python/2.7.16
R/3.5.2                    lua/5.3.4                python/3.5.2
R/3.6.0                    maple/16                  python/3.6.6
anaconda/2-4.3.0           mathematica/10.3.1        python/3.6.6_test
anaconda/2-5.3.0           mathematica/11.0          python/3.7.4
anaconda/3-4.3.0           matlab/R2016a            qt/3.3.8b
anaconda/3-5.2.0           matlab/R2017a            qt/5.10.1
idl/8.5.1                  matlab/R2017b            qt/5.12
idl_DEEPS/8.7.2           matlab/R2018a            qt/5.7.0
java/8u111                 matlab/R2018b            ruby/2.4.0
java/jdk-12.0.2           matlab/R2019a            scala/2.12.2
julia/0.5.1                perl/5.16.0

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julia/0.6.1          perl/5.18.2
~~~~~
~~~~~ category: libraries
~~~~~
Xvfb/1.10.4          keras/2.1.1
acml/5.2.0-gfortran  keras/2.1.3_py3
agalma/1.0.0         lemon/1.3.1
armadillo/9.200.4    leveldb/1.20
blast-legacy/2.2.26 libint/2.5.0
boost/1.44.0         libpng12/1.2.57
boost/1.49.0         libtiff/4.0.10
boost/1.55           libxc/4.3.4
boost/1.62.0-intel  libzip/0.9-3.1.el6
boost/1.63.0         lp_solve/5.5.2.5
boost/1.68           metis/5.1.0
bzip2/1.0.2         mpfr/3.1.5
c-blosc/1.16.3      mpfr/4.0.2
cdhit/4.6.8         mxnet/1.3.0
cuda/10.0.130       node.js/6.10.3
cuda/7.5.18         occa/1.2
cuda/8.0.61         openblas/0.2.19
cuda/9.0.176        openblas/0.2.8
cuda/9.1.85.1       opencv/3.2.0
cuda/9.2.148        opencv/3.4.1
ea-utils/1.04.807   parmetis/4.0.3
fftw/2.1.5          proj/4.9.3
fftw/3.3.6          proj/5.2.0
fftw/3.3.8          sparsehash/2.0.2
freelut/3.0.0       suiteparse/4.5.4
geos/3.4.2          theano/1.0.1_py3
geos/3.7.1          transdecoder/5.4.0
global_arrays/5.6.1 v8/3.14.5
global_arrays/5.6.1_i8 voro++/0.4.6
global_arrays/5.6.1_openmpi_2.0.3 vrpn/7.33
gmp/6.1.2           whatshap/Sep2018
gsl/1.15            xz/5.2.4
gsl/2.3             yaml-cpp/0.6.2
gsl/2.5             yaml-cpp/0.6.2_intel2019.3
igraph/0.7.1        zlib/1.2.11
keras/2.0.9
~~~~~
~~~~~ category: library
~~~~~
easydict/1.7         multinet/3.10         openslide/3.4.1
fastq_screen/0.13.0 nccl/2.4.7           statsmodels/0.9.0
~~~~~
~~~~~ category: libraryg
~~~~~
matplotlib/2.2.4
~~~~~
~~~~~ category: machine learning
~~~~~
1/1.01              scikit-learn/0.19.1
1/2.03              scikit-learn/0.21.2
attend2u/20180216   tensorflow/1.1.0_cpu

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```

cudnn/5.1                tensorflow/1.1.0_gpu
cudnn/6.0                tensorflow/1.13.1_cpu_py3
cudnn/7.0                tensorflow/1.13.1_gpu
cudnn/7.4                tensorflow/1.13.1_gpu_keras
deeparg/Jan2019          tensorflow/1.13.1_gpu_py3
deeparg/Oct2018          tensorflow/1.13.1_gpu_py36
deeplabcut/1.01          tensorflow/1.14.0_gpu_py36
deeplabcut/2.03          tensorflow/1.4.1_cpu
dlib/19.17               tensorflow/1.4.1_cpu_py3
flann/1.8.4              tensorflow/1.4.1_gpu
hnn/1.0                  tensorflow/1.4.1_gpu_py3
horovod/0.16             tensorflow/1.4.1_gpu_py3_cuda9.1
pcl/1.9.1                tensorflow/1.5.0_cpu_py3
pcl/1.9.1_nurbs          tensorflow/1.5.0_gpu
py-faster-rcnn/July2018 tensorflow/1.5.0_gpu_py3
rapidjson/1.1.0          tf-horovod/1.0

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~~~~~ category: math

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atlas/3.10.3             gmesh/3.0.1             magma-gpu/2.4.0         scalapack/2.0.2
blas/3.7.0               lapack/3.6.0            nlopt/2.5.0            sympy/1.4
fenics/2017.1            lapack/3.7.0            numpy/intel_1.15.1     trlan/2010.09
fenics/2018.1.0         macaulay2/1.12-1        rss/1.0
gap/4.9.1                magma/V2.23-10          sage/8.7

```

~~~~~ category: misc

```

mark/Dec18                mysql/8.0.13             netcdf4-python/4.1.4.2

```

~~~~~ category: molecular dynamics

mdanalysis/0.19.2

~~~~~ category: mpi

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mpi/5.6.1_openmpi_2.0.3  mpi/openmpi_1.10.7_gcc
mpi/cave_mvapich2_2.3b_gcc  mpi/openmpi_1.8.3_gcc
mpi/cave_mvapich2_2.3b_intel  mpi/openmpi_2.0.3_gcc
mpi/cave_mvapich2_2.3rc2_gcc  mpi/openmpi_2.0.3_intel
mpi/mvapich2-2.0rc1_gcc      mpi/openmpi_2.0.3_pgi
mpi/mvapich2-2.3.1_gcc      mpi/openmpi_3.1.3_gcc
mpi/mvapich2-2.3a_gcc       mpi/openmpi_4.0.0_gcc
mpi/mvapich2-2.3a_intel     mpi/openmpi_4.0.0_gcc_i8
mpi/mvapich2-2.3a_pgi       osu-mpi/5.3.2
mpi/mvapich2-2.3b_gcc

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~~~~~ category: mri

```

afni/17.1.00             freesurfer/6.0.0_rh7-30-Nov-2018
afni/18.2.06             fsl/5.0.10
afni/19.0.17             fsl/6.0.0
ants/2.1.0                mricron/05-2016
dsi/april2019             mricron/12-2012
freesurfer/6.0.0          tortoise/3.1.0
freesurfer/6.0.0_rh7

```

~~~~~ category: other

```

~~~~~
sbt/1.2.3
~~~~~ category: package
~~~~~
ffte/6.0      fftf/6.0/mpi
~~~~~ category: performance
~~~~~
ior/2.10.3    ipm/2.0.6      osu-mpi/5.3.2
ior/3.0.1     ipm/2.0.6_r    papi/5.4.3
~~~~~ category: physics
~~~~~
casa/5.1.2          gpaw/1.2.0_mvapich2-2.3a_gcc
geant/4.10.04.p01   jdftx/1.4.2
geant/4.10.3        lumericalfdtd/8.16.982
geant/4.10.5        mcx/20180525
geant/4.9.4.p04     mcxlab/2017.7
gpaw/0.10.0         mujoco-py/1.50.1.23
gpaw/1.2.0          root/6.10
~~~~~ category: profiling and debugging
~~~~~
cube/4.3.4          scalasca/2.3.1_intel
ddd/3.3.12          scorep/3.0_intel_mvapich2
gdb/7.12.1          valgrind/3.12.0
gperftools/2.5
~~~~~ category: python
~~~~~
numpydoc/0.9.1      pytables/3.5.2      six/1.12.0
plotly/3.9.0        python_igraph/0.7.1
~~~~~ category: python library
~~~~~
wx/1.0
~~~~~ category: software
~~~~~
annovar/2018Apr16  orthofinder/2.2.7  orthofinder/2.3.3
~~~~~ category: software management
~~~~~
maven/3.2.2
~~~~~ category: solvers
~~~~~
eigen/3.3.2         mumps/5.0.2-seq     petsc/3.7.5         scotch/6.0.4
mcl/12.135          openfoam/4.1        petsc/3.7.7         suiteparse/4.5.4
mumps/5.0.2         pastix/5.2.3        petsc/3.8.3         trilinos/12.12.1
~~~~~ category: statistical analysis package
~~~~~
glmnet/1.0
~~~~~ category: statistics
~~~~~
R/3.3.2             R/3.6.0             rstudio/1.0.44
R/3.4.0             SAS/9.4              rstudio/1.1.463
R/3.4.3             caffe/1.0            stata/14
R/3.4.3_mkl         caffe/1.0_CPU_ONLY  stata/15

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R/3.4.4          caffe/1.0_with_cudnn
R/3.5.2          mallet/2.0.8rc3
~~~~~
category: sys
~~~~~
dos2unix/7.4.0
~~~~~
category: system
~~~~~
xfce/4.10  xfce/4.12
~~~~~
category: tool
~~~~~
dcm2niix/25.0
~~~~~
category: tool kit
~~~~~
subread/1.6.2
~~~~~
category: tools
~~~~~
idr/2.0.2
~~~~~
category: util
~~~~~
libevent/2.1.8  pdftk/2.02
~~~~~
category: utilities
~~~~~
atom/1.19.3      cppunit/1.14.0      itstool/2.0.4
bamaddrg/20180928  curl/7.61.1         mercurial/5.1
binutils/2.29.1   cvs/1.11.23         perf-tools/2.7
binutils/2.31     depot_tools/Jan2019  sublime/2.0.2
cadence/.         firefox/56.0.2      svn/1.9.5
chrome/55.0       firefox/59.0.2      texinfo/4.13a
chrome/73.0       firefox/66.0.3      texlive/2018
cmake/3.10.1      firefox/68.0        vim/8.1
cmake/3.6.3       ghostscript/9.21    vim/8.1_py3
cmake/3.8.0       git/2.10.2          vnc-apps/7.2
colordiff/1.0.18  git/2.20.2          xxdiff/4.0.1
comsol/5.4        h4cf/1.2
~~~~~
category: utility
~~~~~
h5py/2.9.0
~~~~~
category: version record for large files
~~~~~
gitlfs/2.7.1
~~~~~
category: vision
~~~~~
opencv/3.2.0      scikit-image/0.13.1  tesseract/3.05.00
opencv/3.4.1      scikit-image/0.15.0  tesseract/4.00.00
~~~~~
category: visualization
~~~~~
atomeye/3.0      ovito/2.8.2
basemap/1.2.0    ovito/2.9.0
blender/2.78     paraview/5.1.0
blender/2.79     paraview/5.1.0_yurt
cartopy/0.16.0   paraview/5.4.1

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cartopy/0.17.0      paraview/5.6.0_no_scalable
cave-demo/yurt     paraview/5.6.0_yurt
cave-utils/yurt    photoscan/1.3.0
ferret/7.1         pyshp/2.0.1
gdal/2.1.3         shapely/1.6.4
gdal/2.4.0         tecplot/2017
gephi/0.9.2        tecplot/2017R3
gimp/2.8.22        tecplot/2018R2
gimp/2.9.6         unity/Unity-2017.3.0b1
glm/0.9.9          unity/unity-editor-2017.2.0f3
grace/5.1.25       visit/2.13.2
graphviz/2.40.1    visit/2.7.2
minvr/0.3master    vmd/1.9.3
minvr/0.4          vrg3d/265
minvr/beta         vrg3d/265_compat
minvr/beta-bleeding vrg3d/265_demos
minvr/dev_ben      vtk/5.6.1
ncview/2.1.7       vtk/7.1.1
openscad/2015.03-3 vtk/7.1.1a
openscenegraph/3.4.0 vtk/8.1.0
osgearth/2.7       xcrysden/1.5.60
~~~~~ category: weather
~~~~~
wrf/3.6.1
~~~~~ category: workshop
~~~~~
workshop/1.0  workshop/3.0

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| Oscar High-Performance Computing (HPC) | |
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