

```
Last login: Fri Apr 5 11:37:53 on ttys000
sebastianmyrback@n168-p199 ~ % micromamba activate ngenv
(ngenv) sebastianmyrback@n168-p199 ~ % which python3
/Users/sebastianmyrback/y/envs/ngenv/bin/python3
(ngenv) sebastianmyrback@n168-p199 ~ %
(ngenv) sebastianmyrback@n168-p199 ~ %
(ngenv) sebastianmyrback@n168-p199 ~ % pip install --upgrade ngsolve
Collecting ngsolve
  Using cached ngsolve-6.2.2402-cp38-cp38-macosx_10_15_universal2.whl.metadata (225 bytes)
Requirement already satisfied: netgen-mesher==6.2.2402 in ./y/envs/ngenv/lib/python3.8/site-packages
(from ngsolve) (6.2.2402)
Using cached ngsolve-6.2.2402-cp38-cp38-macosx_10_15_universal2.whl (33.7 MB)
Installing collected packages: ngsolve
Successfully installed ngsolve-6.2.2402
(ngenv) sebastianmyrback@n168-p199 ~ %
(ngenv) sebastianmyrback@n168-p199 ~ %
(ngenv) sebastianmyrback@n168-p199 ~ %
(ngenv) sebastianmyrback@n168-p199 ~ % pip3 install --pre xfem
Collecting xfem
  Using cached xfem-2.1.2303.post64.dev0.tar.gz (172 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/55/67/be25e310415540f26047b84180ff4e5745bd00e2eb1c6c972ad43b2edb14/xfem-2.1.2303.post64.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/55/67/be25e310415540f26047b84180ff4e5745bd00e2eb1c6c972ad43b2edb14/xfem-2.1.2303.post64.dev0.tar.gz has inconsistent version: expected '2.1.2303.post64.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post63.dev0.tar.gz (185 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/da/ec/f26cb0f7d33a4ed5b1997b2ad951af3855a4571b13bddd1c6e3abb18fa73/xfem-2.1.2303.post63.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/da/ec/f26cb0f7d33a4ed5b1997b2ad951af3855a4571b13bddd1c6e3abb18fa73/xfem-2.1.2303.post63.dev0.tar.gz has inconsistent version: expected '2.1.2303.post63.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post29.dev0.tar.gz (169 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/65/b3/e5c4e8c9675849bc98a98d2d4c6033ba2d6979a8fd302466abd8ecd91d7d/xfem-2.1.2303.post29.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/65/b3/e5c4e8c9675849bc98a98d2d4c6033ba2d6979a8fd302466abd8ecd91d7d/xfem-2.1.2303.post29.dev0.tar.gz has inconsistent version: expected '2.1.2303.post29.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post27.dev0.tar.gz (169 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/b9/b1/fe21e08a73620e25e991323e6517d59f668e0ed8402dcd2db639e75a5a3f/xfem-2.1.2303.post27.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/b9/b1/fe21e08a73620e25e991323e6517d59f668e0ed8402dcd2db639e75a5a3f/xfem-2.1.2303.post27.dev0.tar.gz has inconsistent version: expected '2.1.2303.post27.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post25.dev0.tar.gz (169 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/49/b9/6d50dc3be513f1d186e8214d22b0c351611d9d1da7d74fe0911fc813a96f/xfem-2.1.2303.post25.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/49/b9/6d50dc3be513f1d186e8214d22b0c351611d9d1da7d74fe0911fc813a96f/xfem-2.1.2303.post25.dev0.tar.gz has inconsistent version: expected '2.1.2303.post25.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post17.dev0.tar.gz (169 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/e4/8f/fa3b0a11da620401d619903200948f185d6d3553bbb3a3ea0e58a87d76be0/xfem-2.1.2303.post17.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/e4/8f/fa3b0a11da620401d619903200948f185d6d3553bbb3a3ea0e58a87d76be0/xfem-2.1.2303.post17.dev0.tar.gz has inconsistent version: expected '2.1.2303.post17.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post16.dev0.tar.gz (169 kB)
  Preparing metadata (setup.py) ... done
Discarding https://files.pythonhosted.org/packages/3a/c3/cdf01a3a2b32467491df266debde7ce08d2f512cfd373d0cb988bbcbce914/xfem-2.1.2303.post16.dev0.tar.gz (from https://pypi.org/simple/xfem/) (requires-python:>=3.8): Requested xfem from https://files.pythonhosted.org/packages/3a/c3/cdf01a3a2b32467491df266debde7ce08d2f512cfd373d0cb988bbcbce914/xfem-2.1.2303.post16.dev0.tar.gz has inconsistent version: expected '2.1.2303.post16.dev0', but metadata has '2.1.2302.dev1'
  Using cached xfem-2.1.2303.post8.dev0.tar.gz (183 kB)
  Preparing metadata (setup.py) ... done
```

Discarding <https://files.pythonhosted.org/packages/35/d6/4c8b24e6e5c0e58e9ab2aa154bfc41c03f619fe51b491df644350bf3ffae/xfem-2.1.2303.post8.dev0.tar.gz> (from <https://pypi.org/simple/xfem/>) (requires-python: >=3.8): Requested xfem from <https://files.pythonhosted.org/packages/35/d6/4c8b24e6e5c0e58e9ab2aa154bfc41c03f619fe51b491df644350bf3ffae/xfem-2.1.2303.post8.dev0.tar.gz> has inconsistent version: expected '2.1.2303.post8.dev0', but metadata has '2.1.2302.dev1'

Using cached xfem-2.1.2303.post6.dev0.tar.gz (183 kB)

Preparing metadata (setup.py) ... done

Discarding <https://files.pythonhosted.org/packages/f8/ea/29948b88e71188c1ac69eaadc367bb5b788083bf99a1eaecc536e15e13da/xfem-2.1.2303.post6.dev0.tar.gz> (from <https://pypi.org/simple/xfem/>) (requires-python: >=3.8): Requested xfem from <https://files.pythonhosted.org/packages/f8/ea/29948b88e71188c1ac69eaadc367bb5b788083bf99a1eaecc536e15e13da/xfem-2.1.2303.post6.dev0.tar.gz> has inconsistent version: expected '2.1.2303.post6.dev0', but metadata has '2.1.2302.dev1'

Using cached xfem-2.1.2303.tar.gz (183 kB)

Preparing metadata (setup.py) ... done

Discarding <https://files.pythonhosted.org/packages/93/8a/79de858452c1cdb60c06e0ceb03157f2b4b7601bf9fc0960c4a585e17cab/xfem-2.1.2303.tar.gz> (from <https://pypi.org/simple/xfem/>) (requires-python: >=3.8): Requested xfem from <https://files.pythonhosted.org/packages/93/8a/79de858452c1cdb60c06e0ceb03157f2b4b7601bf9fc0960c4a585e17cab/xfem-2.1.2303.tar.gz> has inconsistent version: expected '2.1.2303', but metadata has '2.1.2302'

Using cached xfem-2.1.2302.post1.dev0.tar.gz (183 kB)

Preparing metadata (setup.py) ... done

Discarding <https://files.pythonhosted.org/packages/6f/86/d1247be5d1ba85afcb775e6e24accdedf2d079aca58b855bf3b1730bf13/xfem-2.1.2302.post1.dev0.tar.gz> (from <https://pypi.org/simple/xfem/>) (requires-python: >=3.8): Requested xfem from <https://files.pythonhosted.org/packages/6f/86/d1247be5d1ba85afcb775e6e24accdedf2d079aca58b855bf3b1730bf13/xfem-2.1.2302.post1.dev0.tar.gz> has inconsistent version: expected '2.1.2302.post1.dev0', but metadata has '2.1.2302.dev1'

Using cached xfem-2.1.2302.tar.gz (183 kB)

Preparing metadata (setup.py) ... done

Building wheels for collected packages: xfem

Building wheel for xfem (setup.py) ... error

error: subprocess-exited-with-error

× python setup.py bdist_wheel did not run successfully.

exit code: 1

↳ [280 lines of output]

fatal: not a git repository (or any of the parent directories): .git

ngsxfem_version = 2.1.2302

ngsolve_version = None

running bdist_wheel

running build

running build_py

creating build/lib.macosx-11.0-arm64-cpython-38

creating build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/mlset.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/ngs_check.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/__init__.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/utis.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/lsetcurv.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/lset_spacetime.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

copying python/cutmg.py -> build/lib.macosx-11.0-arm64-cpython-38/xfem

running build_ext

CMake Deprecation Warning at CMakeLists.txt:1 (cmake_minimum_required):

Compatibility with CMake < 3.5 will be removed from a future version of CMake.

Update the VERSION argument <min> value or use a ...<max> suffix to tell

CMake that the project does not need compatibility with older versions.

-- The C compiler identification is AppleClang 15.0.0.15000309

-- The CXX compiler identification is AppleClang 15.0.0.15000309

-- Detecting C compiler ABI info

-- Detecting C compiler ABI info - done

-- Check for working C compiler: /Library/Developer/CommandLineTools/usr/bin/cc - skipped

-- Detecting C compile features

-- Detecting C compile features - done

-- Detecting CXX compiler ABI info

-- Detecting CXX compiler ABI info - done

-- Check for working CXX compiler: /Users/sebastianmyrback/y/envs/ngenv/bin/ngscxx - skipped

-- Detecting CXX compile features

```
-- Detecting CXX compile features - done
CMake Warning (dev) at CMakeLists.txt:66 (find_package):
  Policy CMP0148 is not set: The FindPythonInterp and FindPythonLibs modules
  are removed. Run "cmake --help-policy CMP0148" for policy details. Use
  the cmake_policy command to set the policy and suppress this warning.
```

This warning is for project developers. Use `-Wno-dev` to suppress it.

```
-- Found PythonInterp: /Users/sebastianmyrback/y/envs/ngenv/bin/python3.8 (found suitable vers
ion "3.8.19", minimum required is "3")
```

```
CMake Warning (dev) at CMakeLists.txt:67 (find_package):
  Policy CMP0148 is not set: The FindPythonInterp and FindPythonLibs modules
  are removed. Run "cmake --help-policy CMP0148" for policy details. Use
  the cmake_policy command to set the policy and suppress this warning.
```

This warning is for project developers. Use `-Wno-dev` to suppress it.

```
-- Found PythonLibs: /Users/sebastianmyrback/y/envs/ngenv/lib/libpython3.8.dylib (found suitab
le version "3.8.19", minimum required is "3")
```

```
-- install dir /Users/sebastianmyrback/.local/lib/python3.8/site-packages
```

```
-- Found Netgen: /Applications/Netgen.app/Contents/Resources/CMake
```

```
-- Found Netgen: /Applications/Netgen.app/Contents/Resources/CMake
```

```
CMake Warning (dev) at /Applications/Netgen.app/Contents/Resources/CMake/NGSolveConfig.cmake:7
9 (find_package):
```

```
  Policy CMP0148 is not set: The FindPythonInterp and FindPythonLibs modules
  are removed. Run "cmake --help-policy CMP0148" for policy details. Use
  the cmake_policy command to set the policy and suppress this warning.
```

Call Stack (most recent call first):

```
python/CMakeLists.txt:2 (add_ngsolve_python_module)
```

This warning is for project developers. Use `-Wno-dev` to suppress it.

```
CMake Warning (dev) at /Applications/Netgen.app/Contents/Resources/CMake/NGSolveConfig.cmake:8
0 (find_package):
```

```
  Policy CMP0148 is not set: The FindPythonInterp and FindPythonLibs modules
  are removed. Run "cmake --help-policy CMP0148" for policy details. Use
  the cmake_policy command to set the policy and suppress this warning.
```

Call Stack (most recent call first):

```
python/CMakeLists.txt:2 (add_ngsolve_python_module)
```

This warning is for project developers. Use `-Wno-dev` to suppress it.

Traceback (most recent call last):

```
File "<string>", line 1, in <module>
```

```
ModuleNotFoundError: No module named 'pybind11_stubgen'
```

```
CMake Warning at python/CMakeLists.txt:55 (message):
```

```
pybind11-stubgen not found, if you want to create stub files
```

```
for better autocompletion support install it with pip.
```

xfem 2.1.2302: Automatic configuration OK.

Install directory:

```
/Users/sebastianmyrback/.local/lib/python3.8/site-packages
```

Compiler:

```
CMAKE_CXX_COMPILER = ngscxx
```

Linker:

```
CMAKE_LINKER = ngsld
```

Compiler Flags:

```
flags = -O3 -DNDEBUG -DVERSION_INFO=\"2.1.2302\"
```

* NGSolve compile flags:

```
NGSOLVE_COMPILE_FLAGS = -DHAVE_NETGEN_SOURCES -DHAVE_DLFCN_H -DHAVE_CXA_DEMANGLE -DUSE_
TIMEOFDAY -DMSG_NOSIGNAL=0 -DTCL -DLAPACK -DNGS_PYTHON -DUSE_UMFPACK -DNETGEN_PYTHON -DNG_PYTHON -DP
```



```

a450899e1907e4948373a/python/./spacetime/python_spacetime.cpp:70:18: error: no matching function fo
r call to 'regex_match'
    if (std::regex_match (ma->GetMaterial(BND, i), pattern))
        ^~~~~~
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6370:1: note:
candidate template ignored: could not match 'const _CharT *' against 'string_view' (aka 'basic_stri
ng_view<char>')
    regex_match(const _CharT* __str, const basic_regex<_CharT, _Traits>& __e,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6379:1: note:
candidate template ignored: could not match 'basic_string' against 'basic_string_view'
    regex_match(const basic_string<_CharT, _ST, _SA>& __s,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6328:1: note:
candidate function template not viable: requires at least 3 arguments, but 2 were provided
    regex_match(_BidirectionalIterator __first, _BidirectionalIterator __last,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6339:1: note:
candidate function template not viable: requires at least 3 arguments, but 2 were provided
    regex_match(const _CharT* __str, match_results<const _CharT*, _Allocator>& __m,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6349:1: note:
candidate function template not viable: requires at least 3 arguments, but 2 were provided
    regex_match(const basic_string<_CharT, _ST, _SA>& __s,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6361:1: note:
candidate function template not viable: requires at least 3 arguments, but 2 were provided
    regex_match(const basic_string<_CharT, _ST, _SA>&& __s,
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/regex:6307:1: note:
candidate function template not viable: requires at least 4 arguments, but 2 were provided
    regex_match(_BidirectionalIterator __first, _BidirectionalIterator __last,
    ^
[ 8%] Building CXX object python/CMakeFiles/ngsxfem_py.dir/__/cutint/fieldeval.cpp.o
clang: warning: argument unused during compilation: '-Xarch_x86_64 -march=core-avx2' [-Wunused
-command-line-argument]
In file included from /private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyo
ccjrw/xfem_80c2ccacf8da450899e1907e4948373a/python/python_ngsxfem.cpp:1:
In file included from /Applications/Netgen.app/Contents/Resources/include/core/utils.hpp:5:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/chrono:769:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/chrono/convert_to_tm.h:22:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/chrono/statically_widen.h:17:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/format/concepts.h:17:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/format/format_parse_context.h:16:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/string_view:1059:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/algorithm:1778:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/algorithm/inplace_merge.h:28:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__/memory/unique_ptr.h:21:
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__/memory/compressed
_pair.h:155:12: error: static_cast from 'std::compressed_pair<allocator<SpaceTimeVTKOutput>, SpaceTimeV
TKOutput>' to 'Base1 *' (aka 'std::compressed_pair_element<std::allocator<ngcomp::SpaceTimeVTKOutput>,
0> *'), which are not related by inheritance, is not allowed
    return static_cast<Base1*>(__pair);
           ^~~~~~
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__/memory/shared_ptr
.h:357:74: note: in instantiation of member function 'std::compressed_pair<std::allocator<ngcomp::
SpaceTimeVTKOutput>, ngcomp::SpaceTimeVTKOutput>::__get_first_base' requested here
    typename _CompressedPair::_Base1* __first = _CompressedPair::__get_first_base(__as
_pair);
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__/memory/shared_ptr

```

```

.h:350:27: note: in instantiation of member function 'std::__shared_ptr_emplace<ngcomp::SpaceTimeVTK
Output, std::allocator<ngcomp::SpaceTimeVTKOutput>>::_Storage::_get_alloc' requested here
    ::new ((void*)__get_alloc()) _Alloc(_VSTD::move(__a));
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/shared_ptr
.h:291:11: note: in instantiation of member function 'std::__shared_ptr_emplace<ngcomp::SpaceTimeVTK
Output, std::allocator<ngcomp::SpaceTimeVTKOutput>>::_Storage::_Storage' requested here
    : __storage_(_VSTD::move(__a))
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/shared_ptr
.h:1023:55: note: in instantiation of function template specialization 'std::__shared_ptr_emplace<ng
comp::SpaceTimeVTKOutput, std::allocator<ngcomp::SpaceTimeVTKOutput>>::__shared_ptr_emplace<std::sha
red_ptr<ngcomp::MeshAccess> &, ngcore::Array<std::shared_ptr<ngfem::CoefficientFunction>> &, ngcore:
:Array<std::string> &, std::string &, int &, int &, int & >' requested here
    ::new ((void*)_VSTD::addressof(*__guard.__get())) _ControlBlock(__a, _VSTD::forward<_Args>
(__args)...);
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/shared_ptr
.h:1032:19: note: in instantiation of function template specialization 'std::allocate_shared<ngcomp:
SpaceTimeVTKOutput, std::allocator<ngcomp::SpaceTimeVTKOutput>, std::shared_ptr<ngcomp::MeshAccess>
&, ngcore::Array<std::shared_ptr<ngfem::CoefficientFunction>> &, ngcore::Array<std::string> &, std:
:string &, int &, int &, int &, void>' requested here
    return _VSTD::allocate_shared<_Tp>(allocator<_Tp>(), _VSTD::forward<_Args>(__args)...);
    ^
/private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyocccjrjw/xfem_80c2ccacf8d
a450899e1907e4948373a/python/./spacetime/python_spacetime.cpp:462:20: note: in instantiation of fun
ction template specialization 'std::make_shared<ngcomp::SpaceTimeVTKOutput, std::shared_ptr<ngcomp:
MeshAccess> &, ngcore::Array<std::shared_ptr<ngfem::CoefficientFunction>> &, ngcore::Array<std::stri
ng> &, std::string &, int &, int &, int &, void>' requested here
    ret = make_shared<SpaceTimeVTKOutput>(ma, coefs, names, filename, subdivisionx,
subdivisiont, only_element);
    ^
In file included from /private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyo
ccjrjw/xfem_80c2ccacf8da450899e1907e4948373a/python/python_ngsxfem.cpp:1:
In file included from /Applications/Netgen.app/Contents/Resources/include/core/utils.hpp:5:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/chrono:769:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__chrono/convert_to_tm.h:22:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__chrono/statically_widen.h:17:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__format/concepts.h:17:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__format/format_parse_context.h:16:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/string_view:1059:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/algorithm:1778:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__algorithm/inplace_merge.h:28:
In file included from /Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/
v1/__memory/unique_ptr.h:21:
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/compressed
_pair.h:159:12: error: static_cast from '__compressed_pair<allocator<SpaceTimeVTKOutput>, SpaceTimeV
TKOutput>*' to '_Base2*_' (aka '__compressed_pair_elem<ngcomp::SpaceTimeVTKOutput, 1>*'), which ar
e not related by inheritance, is not allowed
    return static_cast<_Base2*>(__pair);
    ^~~~~~
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/shared_ptr
.h:363:75: note: in instantiation of member function 'std::__compressed_pair<std::allocator<ngcomp:
SpaceTimeVTKOutput>, ngcomp::SpaceTimeVTKOutput>::_get_second_base' requested here
    typename _CompressedPair::_Base2* __second = _CompressedPair::_get_second_base(__
as_pair);
    ^
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/__memory/shared_ptr
.h:311:53: note: in instantiation of member function 'std::__shared_ptr_emplace<ngcomp::SpaceTimeVTK
Output, std::allocator<ngcomp::SpaceTimeVTKOutput>>::_Storage::_get_elem' requested here
    _Tp* __get_elem() _NOEXCEPT { return __storage_.__get_elem(); }
    ^

```

```
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/_memory/shared_ptr.h:1025:76: note: in instantiation of member function 'std::__shared_ptr_emplace<ngcomp::SpaceTimeVTKOutput, std::allocator<ngcomp::SpaceTimeVTKOutput>>::__get_elem' requested here
    return shared_ptr<Tp>::__create_with_control_block((*__control_block).__get_elem(), _VSTD::addressof(*__control_block));
```

```
/Library/Developer/CommandLineTools/SDKs/MacOSX14.4.sdk/usr/include/c++/v1/_memory/shared_ptr.h:1032:19: note: in instantiation of function template specialization 'std::allocate_shared<ngcomp::SpaceTimeVTKOutput, std::allocator<ngcomp::SpaceTimeVTKOutput>, std::shared_ptr<ngcomp::MeshAccess>&, ngcore::Array<std::shared_ptr<ngfem::CoefficientFunction>> &, ngcore::Array<std::string> &, std::string &, int &, int &, int &, void>' requested here
    return _VSTD::allocate_shared<Tp>(allocator<Tp>(), _VSTD::forward<Args>(__args)...);
```

```
/private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyocjrw/xfem_80c2ccacf8da450899e1907e4948373a/python/./spacetime/python_spacetime.cpp:462:20: note: in instantiation of function template specialization 'std::make_shared<ngcomp::SpaceTimeVTKOutput, std::shared_ptr<ngcomp::MeshAccess> &, ngcore::Array<std::shared_ptr<ngfem::CoefficientFunction>> &, ngcore::Array<std::string> &, std::string &, int &, int &, int &, void>' requested here
    ret = make_shared<SpaceTimeVTKOutput>(ma, coefs, names, filename, subdivisionx, subdivisiony, only_element);
```

8 errors generated.

```
make[2]: *** [python/CMakeFiles/ngsxfem_py.dir/python_ngsxfem.cpp.o] Error 1
```

```
make[2]: *** Waiting for unfinished jobs....
```

```
make[1]: *** [python/CMakeFiles/ngsxfem_py.dir/all] Error 2
```

```
make: *** [all] Error 2
```

Traceback (most recent call last):

```
File "<string>", line 2, in <module>
```

```
File "<pip-setuptools-caller>", line 34, in <module>
```

```
File "/private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyocjrw/xfem_80c2ccacf8da450899e1907e4948373a/setup.py", line 122, in <module>
```

```
    setup(
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/__init__.py", line 104, in setup
```

```
    return distutils.core.setup(**attrs)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/core.py", line 185, in setup
```

```
    return run_commands(dist)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/core.py", line 201, in run_commands
```

```
    dist.run_commands()
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/dist.py", line 969, in run_commands
```

```
    self.run_command(cmd)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/dist.py", line 967, in run_command
```

```
    super().run_command(command)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/dist.py", line 988, in run_command
```

```
    cmd_obj.run()
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/wheel/bdist_wheel.py", line 368, in run
```

```
    self.run_command("build")
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/cmd.py", line 318, in run_command
```

```
    self.distribution.run_command(command)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/dist.py", line 967, in run_command
```

```
    super().run_command(command)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/dist.py", line 988, in run_command
```

```
    cmd_obj.run()
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/command/build.py", line 131, in run
```

```
    self.run_command(cmd_name)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils/cmd.py", line 318, in run_command
```

```
    self.distribution.run_command(command)
```

```
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/dist.py", line 967, in run_command
```

```
    super().run_command(command)
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/site-packages/setuptools/_distutils
/dist.py", line 988, in run_command
    cmd_obj.run()
File "/private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyoccjrw/xfem_80c
2ccacf8da450899e1907e4948373a/setup.py", line 64, in run
    self.build_extension(ext)
File "/private/var/folders/20/vp4p47351nv6117fwf76v74h0000gn/T/pip-install-wyoccjrw/xfem_80c
2ccacf8da450899e1907e4948373a/setup.py", line 106, in build_extension
    subprocess.check_call(['cmake', '--build', '.'] + build_args, cwd=self.build_temp)
File "/Users/sebastianmyrback/y/envs/ngenv/lib/python3.8/subprocess.py", line 364, in check_
call
    raise CalledProcessError(retcode, cmd)
subprocess.CalledProcessError: Command '['cmake', '--build', '.', '--config', 'Release', '--',
'-j2']' returned non-zero exit status 2.
[end of output]
```

note: This error originates from a subprocess, and is likely not a problem with pip.

ERROR: Failed building wheel for xfem

Running setup.py clean for xfem

Failed to build xfem

ERROR: Could not build wheels for xfem, which is required to install pyproject.toml-based projects
(ngenv) sebastianmyrback@n168-p199 ~ %