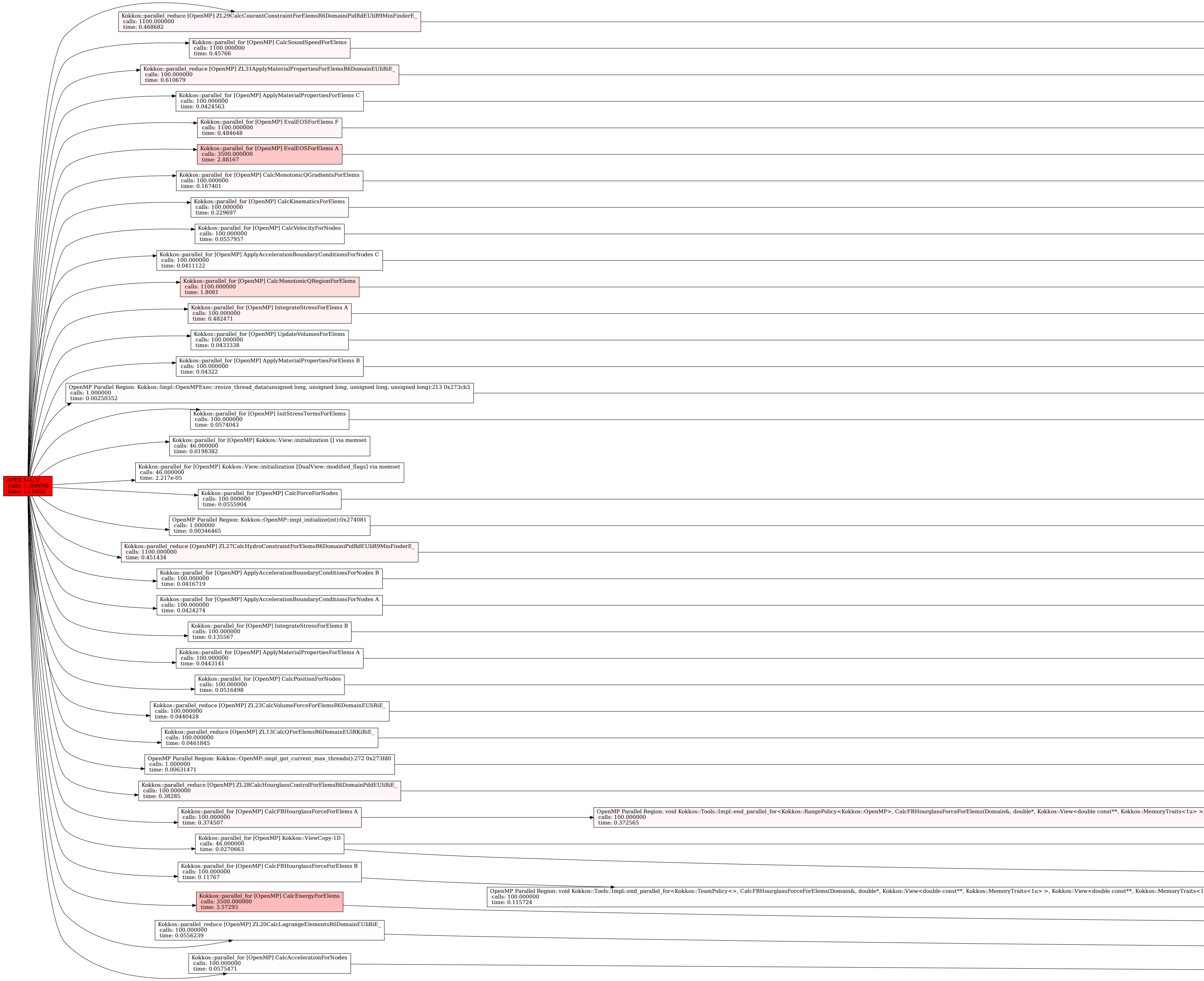
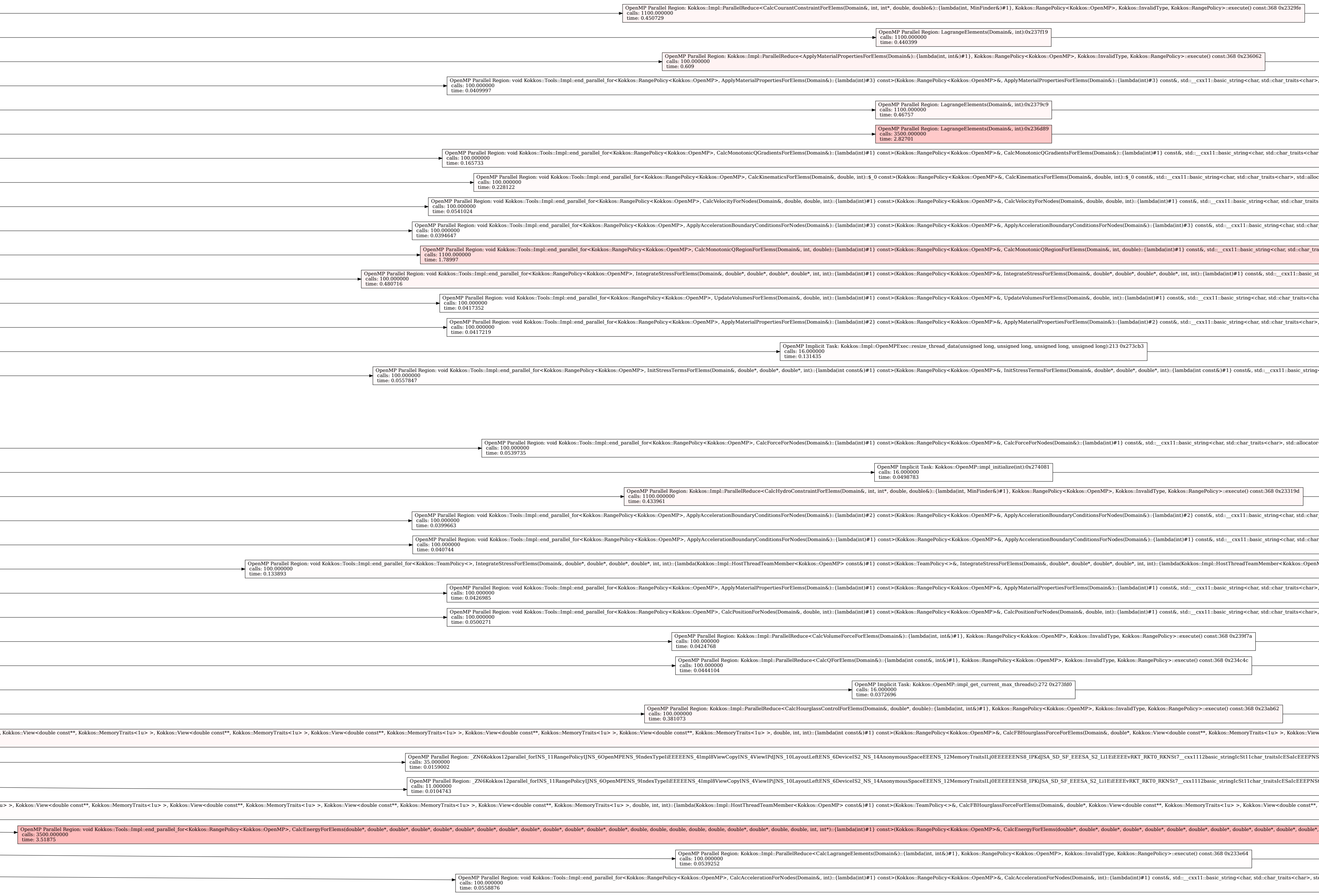
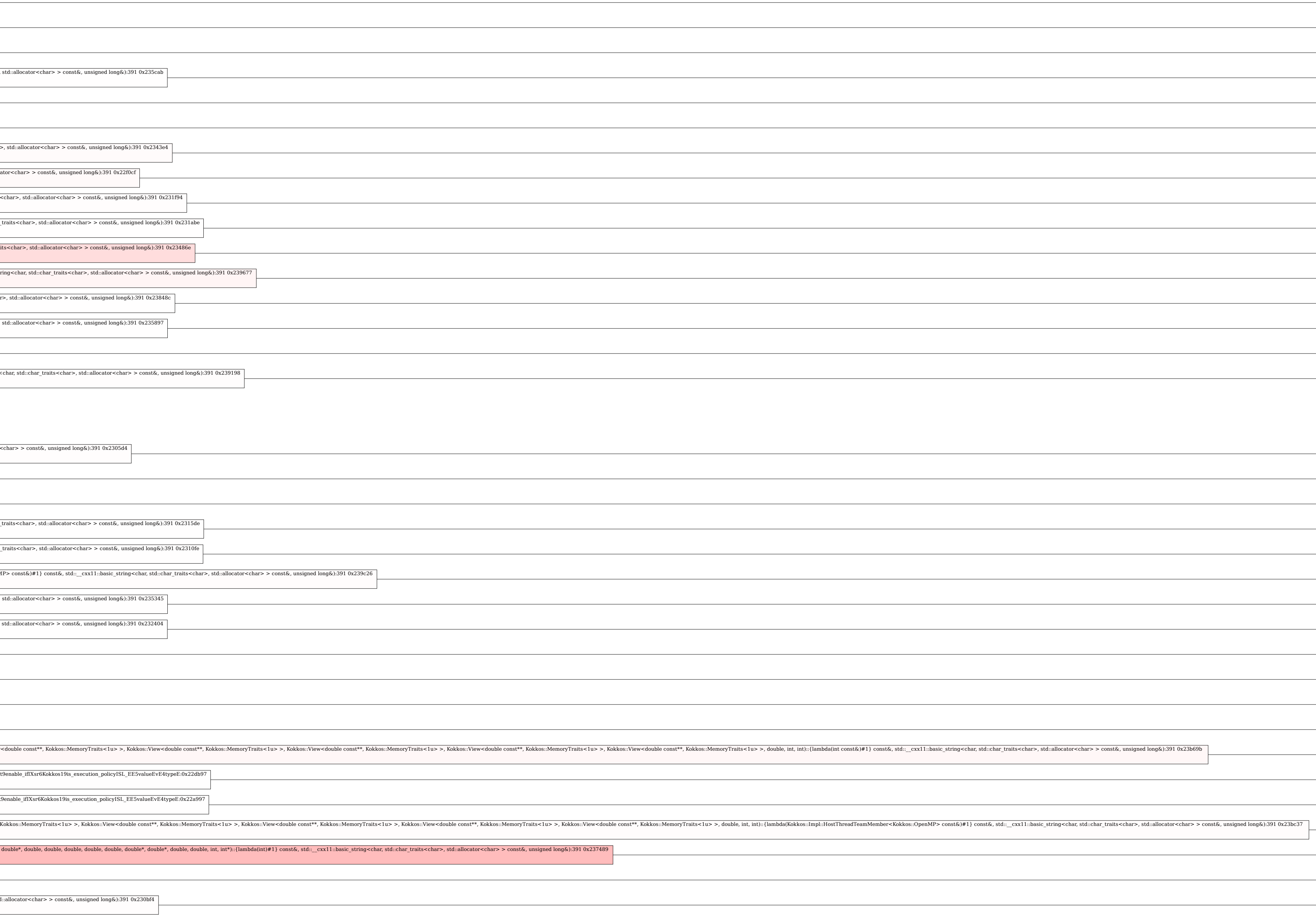
Elapsed Time: 13.5462 seconds
Cores detected: 96
Worker threads observed: 16
Available CPU time: 216.739 seconds


Kokkos::parallel_reduce [OpenMP] ZL29CalcCourantConstraintForElemsR6DomainiPidRdEUliR9MinFinderE_ calls: 1100.000000 time: 0.468682
Kokkos::parallel_for [OpenMP] CalcSoundSpeedForElems calls: 1100.000000 time: 0.45766
Kokkos::parallel_reduce [OpenMP] ZL31ApplyMaterialPropertiesForElemsR6DomainEUliRiE_ calls: 100.000000 time: 0.610679
Kokkos::parallel_for [OpenMP] ApplyMaterialPropertiesForElems C calls: 100.000000 time: 0.0424563
Kokkos::parallel_for [OpenMP] EvalEOSForElems F calls: 1100.000000 time: 0.484648
Kokkos::parallel_for [OpenMP] EvalEOSForElems A calls: 3500.000000 time: 2.88167
Kokkos::parallel_for [OpenMP] CalcMonotonicQGradientsForElems calls: 100.000000 time: 0.167401
Kokkos::parallel_for [OpenMP] CalcKinematicsForElems calls: 100.000000 time: 0.229697
Kokkos::parallel_for [OpenMP] CalcVelocityForNodes calls: 100.000000 time: 0.0557957
Kokkos::parallel_for [OpenMP] ApplyAccelerationBoundaryConditionsForNodes C calls: 100.000000 time: 0.0411122
Kokkos::parallel_for [OpenMP] CalcMonotonicQRegionForElems calls: 1100.000000 time: 1.8081
Kokkos::parallel_for [OpenMP] IntegrateStressForElems A calls: 100.000000 time: 0.482471
Kokkos::parallel_for [OpenMP] UpdateVolumesForElems calls: 100.000000 time: 0.0433338
Kokkos::parallel_for [OpenMP] ApplyMaterialPropertiesForElems B calls: 100.000000 time: 0.04322
OpenMP Parallel Region: Kokkos::Impl::OpenMPExec::resize_thread_data(unsigned long, unsigned long, unsigned long, unsigned long):213 0x273cb3 calls: 1.000000 time: 0.00250352
Kokkos::parallel_for [OpenMP] InitStressTermsForElems calls: 100.000000 time: 0.0574043
Kokkos::parallel_for [OpenMP] Kokkos::View::initialization [] via memset calls: 46.000000 time: 0.0198382
APEX MAIN calls: 1.000000 time: 13.5462
Kokkos::parallel_for [OpenMP] Kokkos::View::initialization [DualView::modified_flags] via memset calls: 46.000000 time: 2.217e-05
Kokkos::parallel_for [OpenMP] CalcForceForNodes calls: 100.000000 time: 0.0555904
OpenMP Parallel Region: Kokkos::OpenMP::impl_initialize(int):0x274081 calls: 1.000000 time: 0.00346465
Kokkos::parallel_reduce [OpenMP] ZL27CalcHydroConstraintForElemsR6DomainiPidRdEUliR9MinFinderE_ calls: 1100.000000 time: 0.451434
Kokkos::parallel_for [OpenMP] ApplyAccelerationBoundaryConditionsForNodes B calls: 100.000000 time: 0.0416719
Kokkos::parallel_for [OpenMP] ApplyAccelerationBoundaryConditionsForNodes A calls: 100.000000 time: 0.0424274
Kokkos::parallel_for [OpenMP] IntegrateStressForElems B calls: 100.000000 time: 0.135567
Kokkos::parallel_for [OpenMP] ApplyMaterialPropertiesForElems A calls: 100.000000 time: 0.0443141
Kokkos::parallel_for [OpenMP] CalcPositionForNodes calls: 100.000000 time: 0.0516498
Kokkos::parallel_reduce [OpenMP] ZL23CalcVolumeForceForElemsR6DomainEUliRiE_ calls: 100.000000 time: 0.0440428
Kokkos::parallel_reduce [OpenMP] ZL13CalcQForElemsR6DomainEUlRKiRiE_ calls: 100.000000 time: 0.0461845
OpenMP Parallel Region: Kokkos::OpenMP::impl_get_current_max_threads():272 0x273fd0 calls: 1.000000 time: 0.00631471
Kokkos::parallel_reduce [OpenMP] ZL28CalcHourglassControlForElemsR6DomainPddEUliRiE_ calls: 100.000000 time: 0.38285
Kokkos::parallel_for [OpenMP] CalcFBHourglassForceForElems A calls: 100.000000 time: 0.374507
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, calls: 100.000000 time: 0.372565
Kokkos::parallel_for [OpenMP] Kokkos::ViewCopy-1D calls: 46.000000 time: 0.0270663
Kokkos::parallel_for [OpenMP] CalcFBHourglassForceForElems B calls: 100.000000 time: 0.11767
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1 calls: 100.000000 time: 0.115724
Kokkos::parallel_for [OpenMP] CalcEnergyForElems calls: 3500.000000 time: 3.57293
Kokkos::parallel_reduce [OpenMP] ZL20CalcLagrangeElementsR6DomainEUliRiE_ calls: 100.000000 time: 0.0556239
Kokkos::parallel_for [OpenMP] CalcAccelerationForNodes calls: 100.000000 time: 0.0575471


OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcCourantConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x2329fe
calls: 1100.000000
time: 0.450729
OpenMP Parallel Region: LagrangeElements(Domain&, int):0x237f19
calls: 1100.000000
time: 0.440399
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<ApplyMaterialPropertiesForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x236062
calls: 100.000000
time: 0.609
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>,
calls: 100.000000
time: 0.0409997
OpenMP Parallel Region: LagrangeElements(Domain&, int):0x2379c9
calls: 1100.000000
time: 0.46757
OpenMP Parallel Region: LagrangeElements(Domain&, int):0x236d89
calls: 3500.000000
time: 2.82701
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char
calls: 100.000000
time: 0.165733
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcKinematicsForElems(Domain&, double, int)::$_0 const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcKinematicsForElems(Domain&, double, int)::$_0 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::alloc
calls: 100.000000
time: 0.228122
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits
calls: 100.000000
time: 0.0541024
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char
calls: 100.000000
time: 0.0394647
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_tra
calls: 1100.000000
time: 1.78997
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const&, std::__cxx11::basic_st
calls: 100.000000
time: 0.480716
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<cha
calls: 100.000000
time: 0.0417352
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>,
calls: 100.000000
time: 0.0417219
OpenMP Implicit Task: Kokkos::Impl::OpenMPExec::resize_thread_data(unsigned long, unsigned long, unsigned long, unsigned long):213 0x273cb3
calls: 16.000000
time: 0.131435
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string
calls: 100.000000
time: 0.0557847
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcForceForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcForceForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator
calls: 100.000000
time: 0.0539735
OpenMP Implicit Task: Kokkos::OpenMP::impl_initialize(int):0x274081
calls: 16.000000
time: 0.0498783
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcHydroConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23319d
calls: 1100.000000
time: 0.433961
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char
calls: 100.000000
time: 0.0399663
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char
calls: 100.000000
time: 0.040744
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenM
calls: 100.000000
time: 0.133893
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>,
calls: 100.000000
time: 0.0426985
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>,
calls: 100.000000
time: 0.0500271
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcVolumeForceForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x239f7a
calls: 100.000000
time: 0.0424768
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcQForElems(Domain&)::{lambda(int const&, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x234c4c
calls: 100.000000
time: 0.0444104
OpenMP Implicit Task: Kokkos::OpenMP::impl_get_current_max_threads():272 0x273fd0
calls: 16.000000
time: 0.0372696
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcHourglassControlForElems(Domain&, double*, double)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23ab62
calls: 100.000000
time: 0.381073
, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View
OpenMP Parallel Region: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPdJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEENS8_IPKdJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNS
calls: 35.000000
time: 0.0159002
OpenMP Parallel Region: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPiJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEENS8_IPKiJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt
calls: 11.000000
time: 0.0104743
u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**,
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*,
calls: 3500.000000
time: 3.51875
OpenMP Parallel Region: Kokkos::Impl::ParallelReduce<CalcLagrangeElements(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x233e64
calls: 100.000000
time: 0.0539252
OpenMP Parallel Region: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, st
calls: 100.000000
time: 0.0558876


std::allocator<char> > const&, unsigned long&):391 0x235cab
>, std::allocator<char> > const&, unsigned long&):391 0x2343e4
ator<char> > const&, unsigned long&):391 0x22f0cf
<char>, std::allocator<char> > const&, unsigned long&):391 0x231f94
_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231abe
its<char>, std::allocator<char> > const&, unsigned long&):391 0x23486e
ring<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239677
r>, std::allocator<char> > const&, unsigned long&):391 0x23848c
std::allocator<char> > const&, unsigned long&):391 0x235897
<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239198
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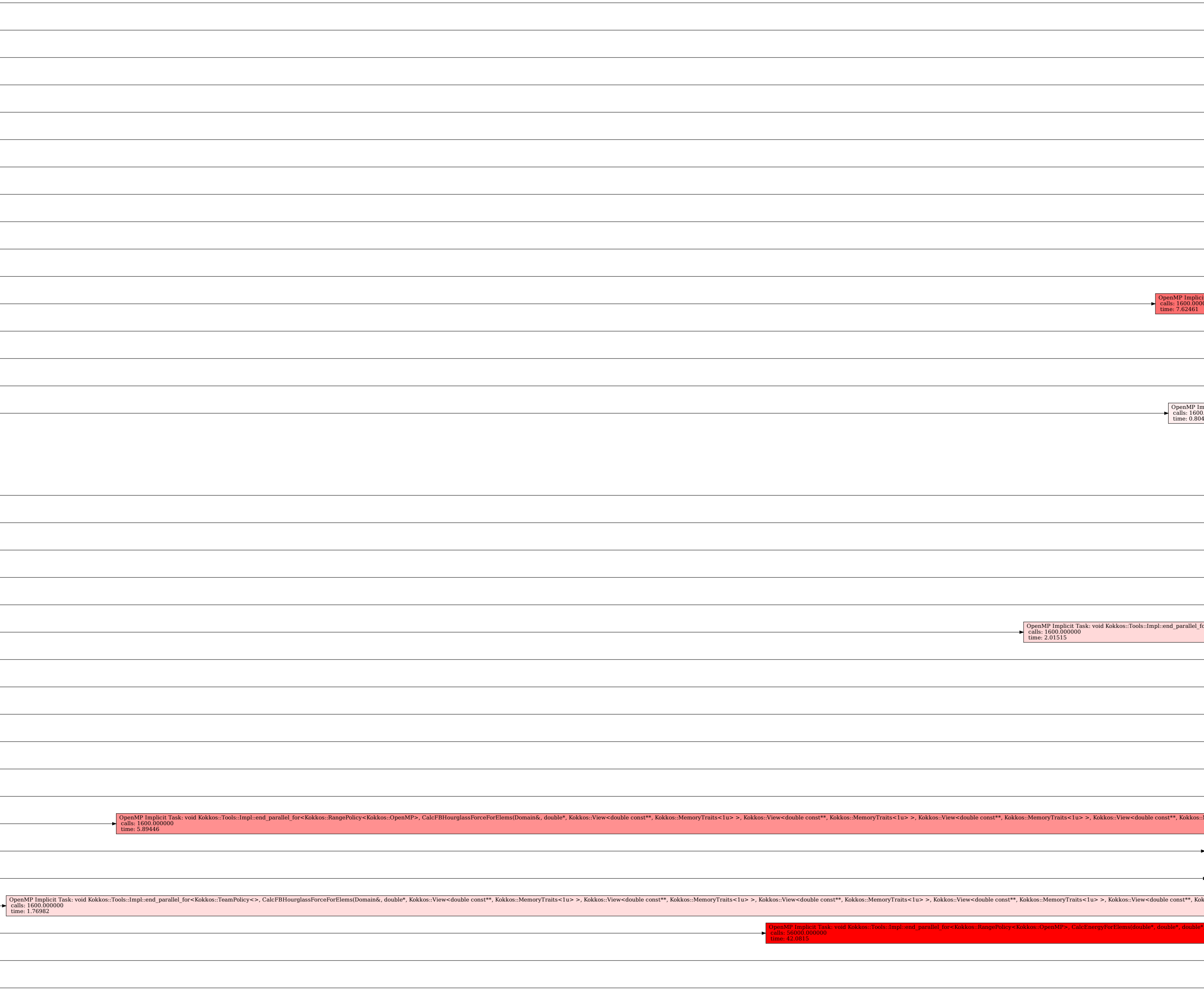
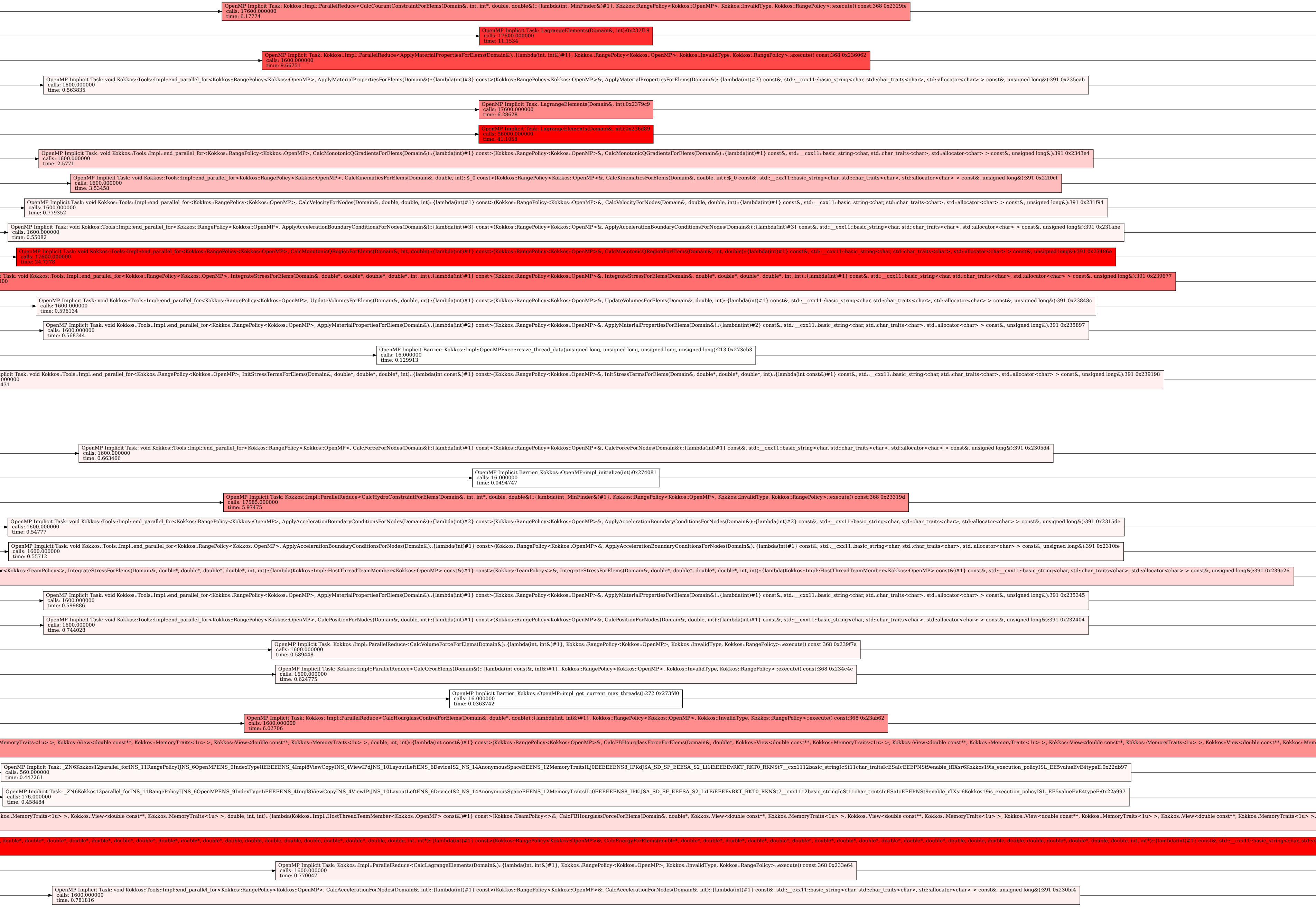
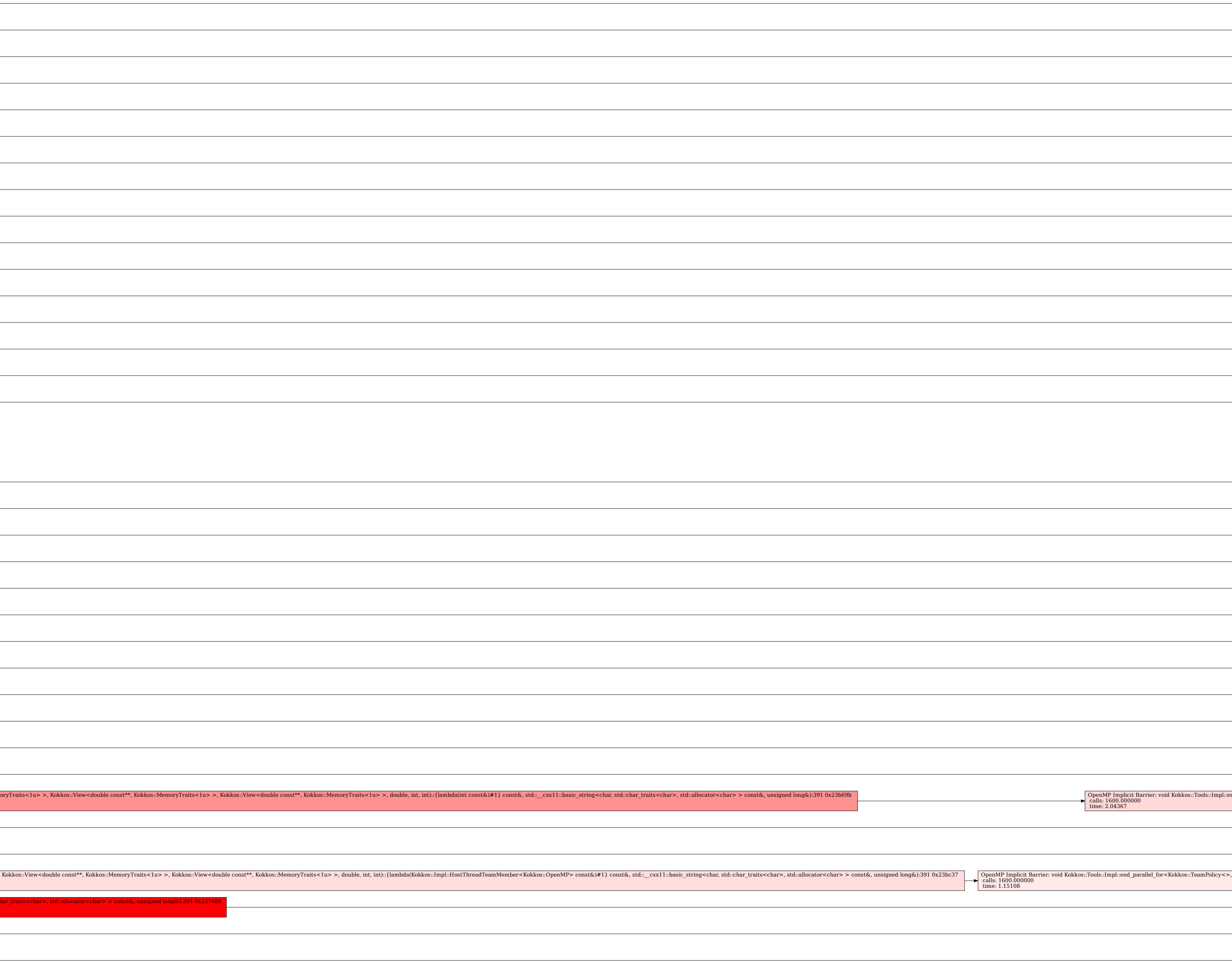
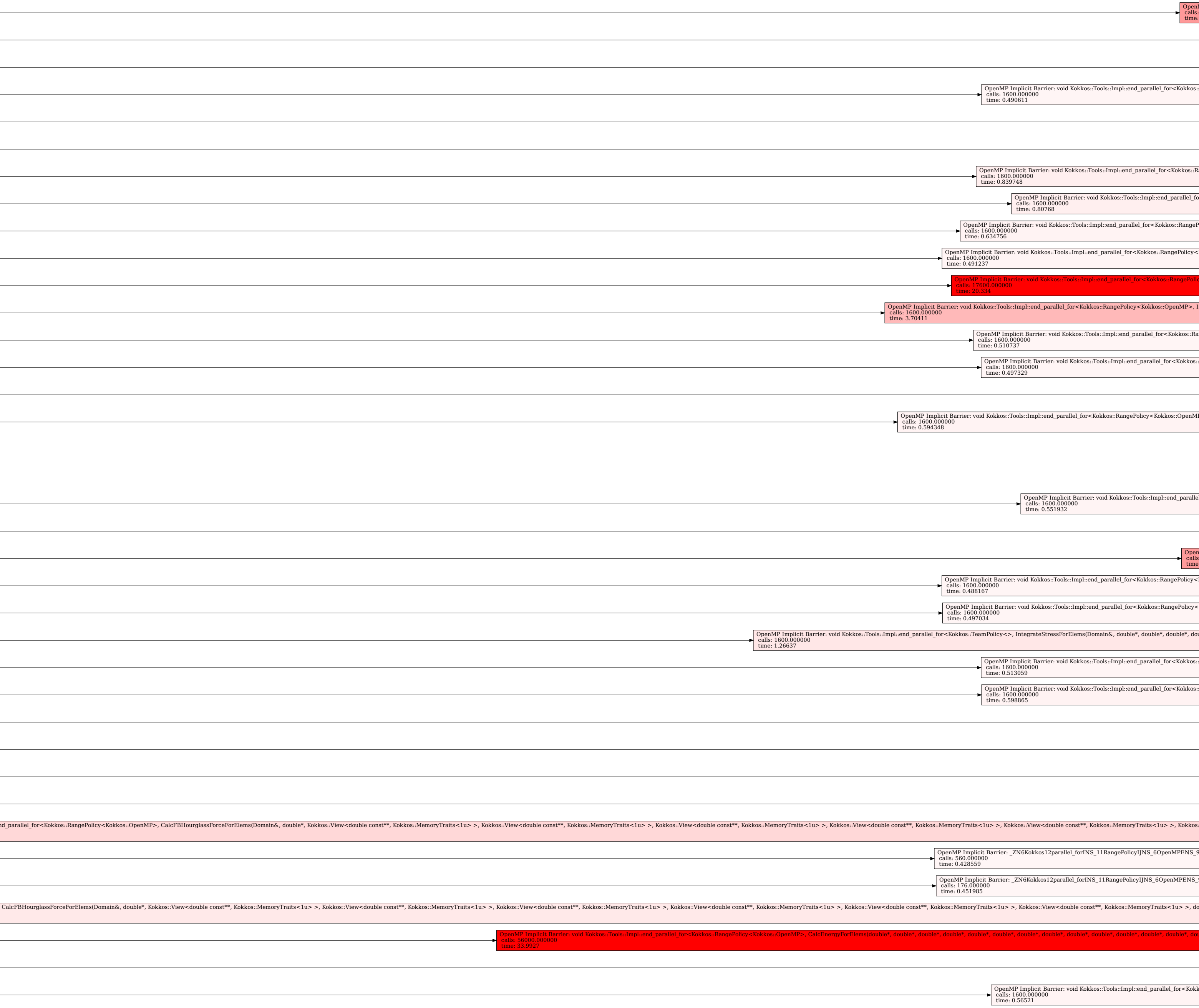
_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2310fe
MP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239c26
std::allocator<char> > const&, unsigned long&):391 0x235345
std::allocator<char> > const&, unsigned long&):391 0x232404
<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23b69b
t9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22db97
9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22a997
Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23bc37
double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x237489
d::allocator<char> > const&, unsigned long&):391 0x230bf4


OpenMP Implici
calls: 1600.0000
time: 7.62461
OpenMP Im
calls: 1600.
time: 0.804
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_fo
calls: 1600.000000
time: 2.01515
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::
calls: 1600.000000
time: 5.89446
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kok
calls: 1600.000000
time: 1.76982
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcEnergyForElems(double*, double*, double*
calls: 56000.000000
time: 42.0815


OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcCourantConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x2329fe
calls: 17600.000000
time: 6.17774
OpenMP Implicit Task: LagrangeElements(Domain&, int):0x237f19
calls: 17600.000000
time: 11.1534
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<ApplyMaterialPropertiesForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x236062
calls: 1600.000000
time: 9.66751
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235cab
calls: 1600.000000
time: 0.563835
OpenMP Implicit Task: LagrangeElements(Domain&, int):0x2379c9
calls: 17600.000000
time: 6.28628
OpenMP Implicit Task: LagrangeElements(Domain&, int):0x236d89
calls: 56000.000000
time: 41.1058
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2343e4
calls: 1600.000000
time: 2.5771
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcKinematicsForElems(Domain&, double, int)::$_0 const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcKinematicsForElems(Domain&, double, int)::$_0 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x22f0cf
calls: 1600.000000
time: 3.53458
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231f94
calls: 1600.000000
time: 0.779352
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231abe
calls: 1600.000000
time: 0.55082
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23486e
calls: 17600.000000
time: 24.7278
t Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239677
000
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23848c
calls: 1600.000000
time: 0.596134
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235897
calls: 1600.000000
time: 0.568344
OpenMP Implicit Barrier: Kokkos::Impl::OpenMPExec::resize_thread_data(unsigned long, unsigned long, unsigned long, unsigned long):213 0x273cb3
calls: 16.000000
time: 0.129913
plicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239198
000000
431
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcForceForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcForceForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2305d4
calls: 1600.000000
time: 0.663466
OpenMP Implicit Barrier: Kokkos::OpenMP::impl_initialize(int):0x274081
calls: 16.000000
time: 0.0494747
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcHydroConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23319d
calls: 17585.000000
time: 5.97475
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2315de
calls: 1600.000000
time: 0.54777
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2310fe
calls: 1600.000000
time: 0.55712
r<Kokkos::TeamPolicy<>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239c26
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235345
calls: 1600.000000
time: 0.599886
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x232404
calls: 1600.000000
time: 0.744028
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcVolumeForceForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x239f7a
calls: 1600.000000
time: 0.589448
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcQForElems(Domain&)::{lambda(int const&, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x234c4c
calls: 1600.000000
time: 0.624775
OpenMP Implicit Barrier: Kokkos::OpenMP::impl_get_current_max_threads():272 0x273fd0
calls: 16.000000
time: 0.0363742
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcHourglassControlForElems(Domain&, double*, double)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23ab62
calls: 1600.000000
time: 6.02706
MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::Mem
OpenMP Implicit Task: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPdJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEENS8_IPKdJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22db97
calls: 560.000000
time: 0.447261
OpenMP Implicit Task: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPiJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEENS8_IPKiJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22a997
calls: 176.000000
time: 0.458484
kos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >,
, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::ch
OpenMP Implicit Task: Kokkos::Impl::ParallelReduce<CalcLagrangeElements(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x233e64
calls: 1600.000000
time: 0.770047
OpenMP Implicit Task: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x230bf4
calls: 1600.000000
time: 0.781816


oryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23b69b
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::en
calls: 1600.000000
time: 2.04367
Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23bc37
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>,
calls: 1600.000000
time: 1.15108
har_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x237489


OpenM
calls:
time:
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::
calls: 1600.000000
time: 0.490611
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::Ra
calls: 1600.000000
time: 0.839748
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calls: 1600.000000
time: 0.80768
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calls: 1600.000000
time: 0.634756
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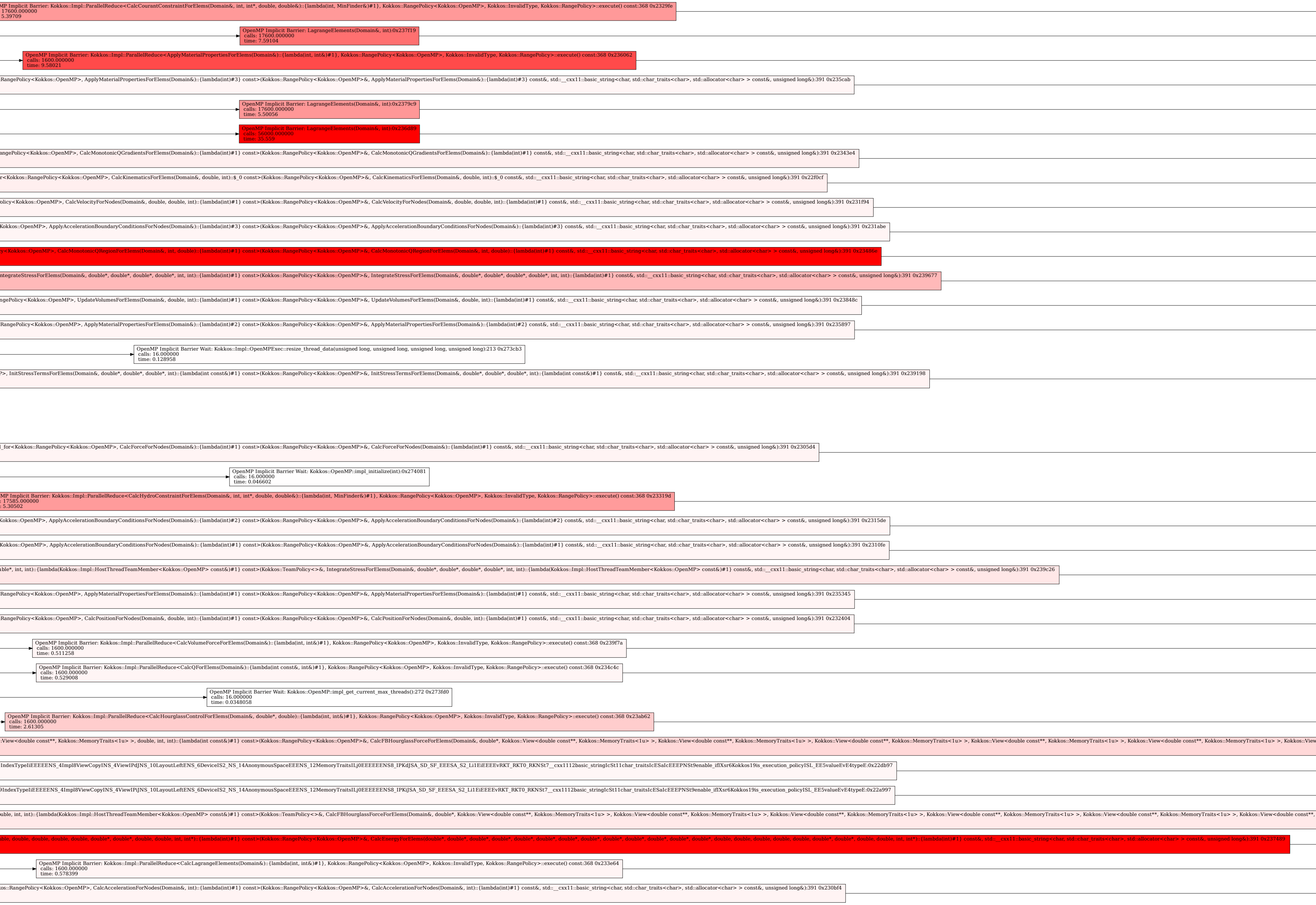
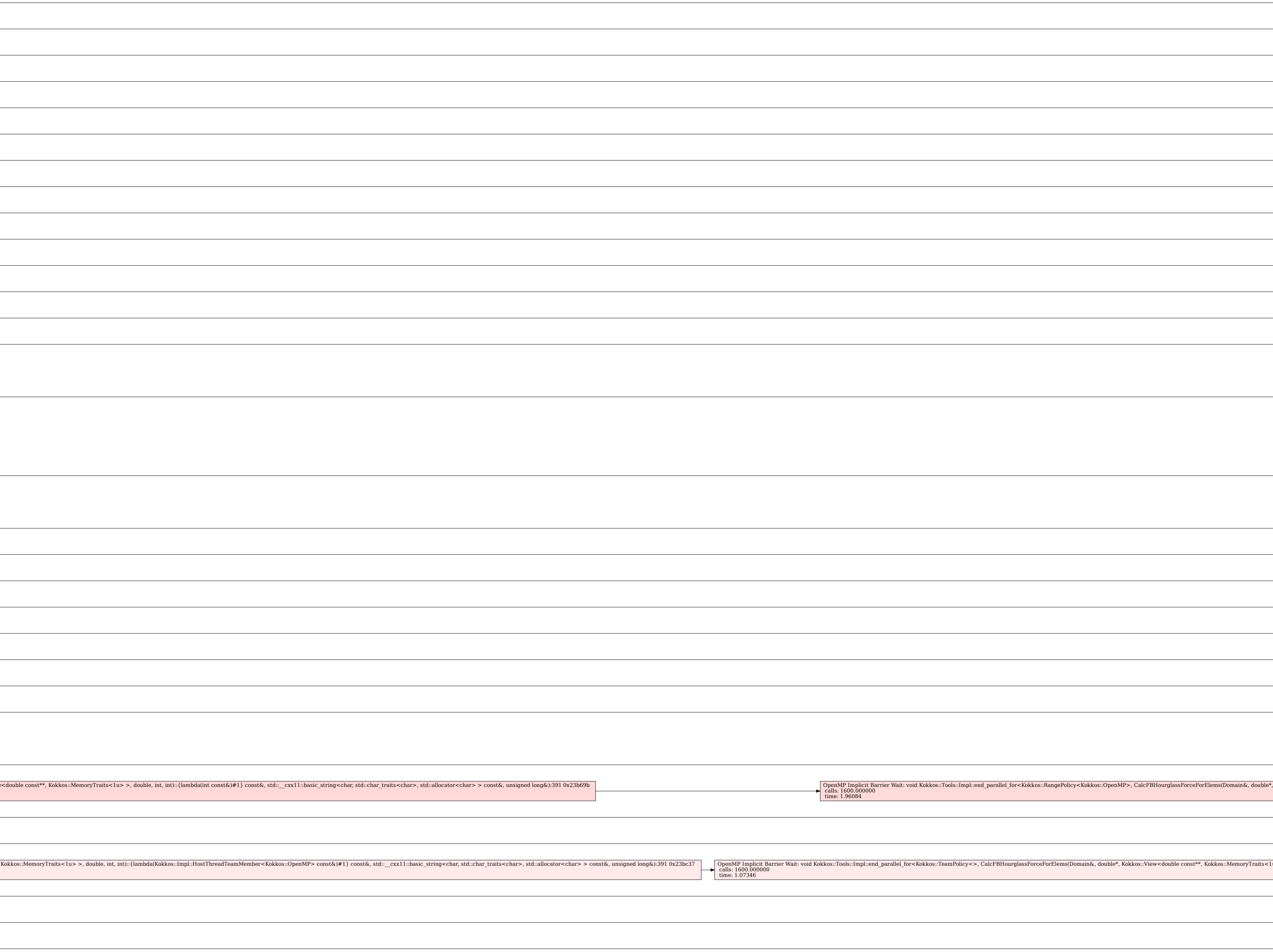
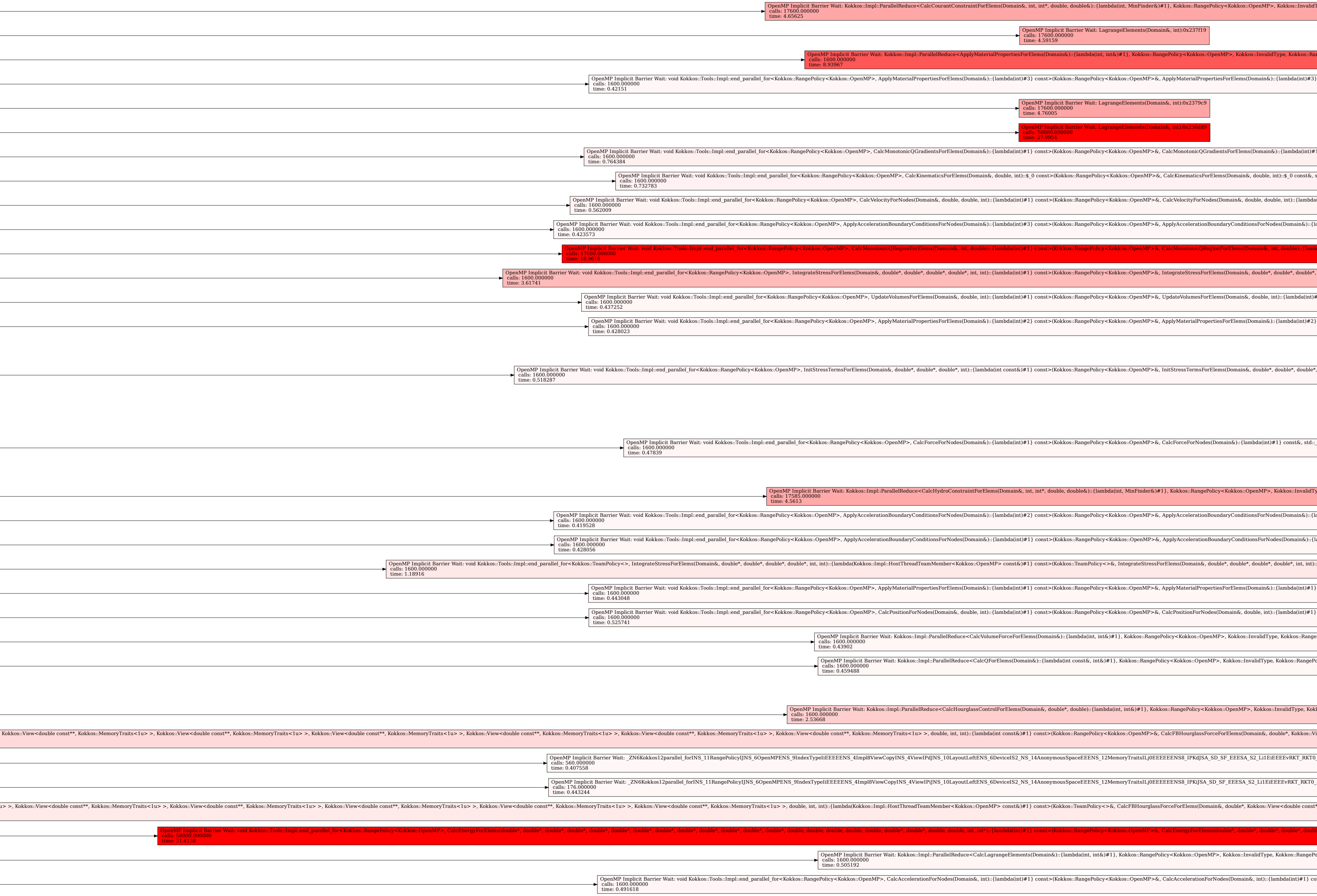
calls: 1600.000000
time: 0.491237
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolic
calls: 17600.000000
time: 20.334
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, I
calls: 1600.000000
time: 3.70411
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::Ra
calls: 1600.000000
time: 0.510737
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::
calls: 1600.000000
time: 0.497329
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP
calls: 1600.000000
time: 0.594348
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_paralle
calls: 1600.000000
time: 0.551932
Open
calls
time
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<
calls: 1600.000000
time: 0.488167
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<
calls: 1600.000000
time: 0.497034
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, IntegrateStressForElems(Domain&, double*, double*, double*, dou
calls: 1600.000000
time: 1.26637
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::
calls: 1600.000000
time: 0.513059
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::
calls: 1600.000000
time: 0.598865
nd_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::
OpenMP Implicit Barrier: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9
calls: 560.000000
time: 0.428559
OpenMP Implicit Barrier: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_
calls: 176.000000
time: 0.451985
CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, do
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, dou
calls: 56000.000000
time: 33.9927
OpenMP Implicit Barrier: void Kokkos::Tools::Impl::end_parallel_for<Kokk
calls: 1600.000000
time: 0.56521


MP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcCourantConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x2329fe
17600.000000
5.39709
OpenMP Implicit Barrier: LagrangeElements(Domain&, int):0x237f19
calls: 17600.000000
time: 7.59104
OpenMP Implicit Barrier: Kokkos::Impl::ParallelReduce<ApplyMaterialPropertiesForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x236062
calls: 1600.000000
time: 9.58021
RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235cab
OpenMP Implicit Barrier: LagrangeElements(Domain&, int):0x2379c9
calls: 17600.000000
time: 5.50056
OpenMP Implicit Barrier: LagrangeElements(Domain&, int):0x236d89
calls: 56000.000000
time: 35.559
angePolicy<Kokkos::OpenMP>, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2343e4
r<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcKinematicsForElems(Domain&, double, int)::$_0 const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcKinematicsForElems(Domain&, double, int)::$_0 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x22f0cf
olicy<Kokkos::OpenMP>, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231f94
Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231abe
y<Kokkos::OpenMP>, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23486e
ntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239677
ngePolicy<Kokkos::OpenMP>, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23848c
RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235897
OpenMP Implicit Barrier Wait: Kokkos::Impl::OpenMPExec::resize_thread_data(unsigned long, unsigned long, unsigned long, unsigned long):213 0x273cb3
calls: 16.000000
time: 0.128958
P>, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239198
l_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcForceForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcForceForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2305d4
OpenMP Implicit Barrier Wait: Kokkos::OpenMP::impl_initialize(int):0x274081
calls: 16.000000
time: 0.046602
MP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcHydroConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23319d
: 17585.000000
: 5.30502
Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2315de
Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2310fe
ble*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239c26
RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235345
RangePolicy<Kokkos::OpenMP>, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x232404
OpenMP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcVolumeForceForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x239f7a
calls: 1600.000000
time: 0.511258
OpenMP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcQForElems(Domain&)::{lambda(int const&, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x234c4c
calls: 1600.000000
time: 0.529008
OpenMP Implicit Barrier Wait: Kokkos::OpenMP::impl_get_current_max_threads():272 0x273fd0
calls: 16.000000
time: 0.0348058
OpenMP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcHourglassControlForElems(Domain&, double*, double)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x23ab62
calls: 1600.000000
time: 2.61305
:View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View
IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPdJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEEENS8_IPKdJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22db97
9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPiJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEEENS8_IPKiJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22a997
uble, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**,
uble, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x237489
OpenMP Implicit Barrier: Kokkos::Impl::ParallelReduce<CalcLagrangeElements(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePolicy>::execute() const:368 0x233e64
calls: 1600.000000
time: 0.578399
os::RangePolicy<Kokkos::OpenMP>, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x230bf4


v<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23b69b
OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcFBHourglassForceForElems(Domain&, double*,
calls: 1600.000000
time: 1.96084
Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23bc37
OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const**, Kokkos::MemoryTraits<1u
calls: 1600.000000
time: 1.07346



```
OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcCourantConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidT
calls: 17600.000000
time: 4.65625

OpenMP Implicit Barrier Wait: LagrangeElements(Domain&, int):0x237f19
calls: 17600.000000
time: 4.59159

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<ApplyMaterialPropertiesForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::Ra
calls: 1600.000000
time: 8.93967

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#3}
calls: 1600.000000
time: 0.42151

OpenMP Implicit Barrier Wait: LagrangeElements(Domain&, int):0x2379c9
calls: 17600.000000
time: 4.76005

OpenMP Implicit Barrier Wait: LagrangeElements(Domain&, int):0x236d89
calls: 56000.000000
time: 27.9954

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQGradientsForElems(Domain&)::{lambda(int)#1
calls: 1600.000000
time: 0.764384

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcKinematicsForElems(Domain&, double, int)::$_0 const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcKinematicsForElems(Domain&, double, int)::$_0 const&, s
calls: 1600.000000
time: 0.732783

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcVelocityForNodes(Domain&, double, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcVelocityForNodes(Domain&, double, double, int)::{lambda
calls: 1600.000000
time: 0.562009

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#3} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{la
calls: 1600.000000
time: 0.423573

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcMonotonicQRegionForElems(Domain&, int, double)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcMonotonicQRegionForElems(Domain&, int, double)::{lamb
calls: 17600.000000
time: 18.9616

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, IntegrateStressForElems(Domain&, double*, double*, double*,
calls: 1600.000000
time: 3.61741

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, UpdateVolumesForElems(Domain&, double, int)::{lambda(int)#
calls: 1600.000000
time: 0.437252

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#2}
calls: 1600.000000
time: 0.428023

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, InitStressTermsForElems(Domain&, double*, double*, double*, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, InitStressTermsForElems(Domain&, double*, double*, double*,
calls: 1600.000000
time: 0.518287

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcForceForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcForceForNodes(Domain&)::{lambda(int)#1} const&, std::_
calls: 1600.000000
time: 0.47839

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcHydroConstraintForElems(Domain&, int, int*, double, double&)::{lambda(int, MinFinder&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidTy
calls: 17585.000000
time: 4.5613

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#2} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{la
calls: 1600.000000
time: 0.419528

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyAccelerationBoundaryConditionsForNodes(Domain&)::{la
calls: 1600.000000
time: 0.428056

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::TeamPolicy<>, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, IntegrateStressForElems(Domain&, double*, double*, double*, double*, int, int)::
calls: 1600.000000
time: 1.18916

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, ApplyMaterialPropertiesForElems(Domain&)::{lambda(int)#1}
calls: 1600.000000
time: 0.443048

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcPositionForNodes(Domain&, double, int)::{lambda(int)#1}
calls: 1600.000000
time: 0.525741

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcVolumeForceForElems(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::Range
calls: 1600.000000
time: 0.43902

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcQForElems(Domain&)::{lambda(int const&, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePo
calls: 1600.000000
time: 0.459488

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcHourglassControlForElems(Domain&, double*, double)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokk
calls: 1600.000000
time: 2.53668

 Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::Vi

OpenMP Implicit Barrier Wait: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPdJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEEENS8_IPKdJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_
calls: 560.000000
time: 0.407558

OpenMP Implicit Barrier Wait: _ZN6Kokkos12parallel_forINS_11RangePolicyIJNS_6OpenMPENS_9IndexTypeIiEEEEENS_4Impl8ViewCopyINS_4ViewIPiJNS_10LayoutLeftENS_6DeviceIS2_NS_14AnonymousSpaceEEENS_12MemoryTraitsILj0EEEEEEENS8_IPKiJSA_SD_SF_EEESA_S2_Li1EiEEEEvRKT_RKT0_
calls: 176.000000
time: 0.443244

u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const>(Kokkos::TeamPolicy<>&, CalcFBHourglassForceForElems(Domain&, double*, Kokkos::View<double const*

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcEnergyForElems(double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcEnergyForElems(double*, double*, double*, double*, doubl
calls: 56000.000000
time: 31.4138

OpenMP Implicit Barrier Wait: Kokkos::Impl::ParallelReduce<CalcLagrangeElements(Domain&)::{lambda(int, int&)#1}, Kokkos::RangePolicy<Kokkos::OpenMP>, Kokkos::InvalidType, Kokkos::RangePo
calls: 1600.000000
time: 0.505192

OpenMP Implicit Barrier Wait: void Kokkos::Tools::Impl::end_parallel_for<Kokkos::RangePolicy<Kokkos::OpenMP>, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} const>(Kokkos::RangePolicy<Kokkos::OpenMP>&, CalcAccelerationForNodes(Domain&, int)::{lambda(int)#1} co
calls: 1600.000000
time: 0.491618
```

```
Type, Kokkos::RangePolicy>::execute() const:368 0x2329fe

ngePolicy>::execute() const:368 0x236062
 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235cab

1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2343e4
td::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x22f0cf
(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231f94
ambda(int)#3} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x231abe
da(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23486e
 double*, int, int)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239677
1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23848c
 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235897

 int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239198

_cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2305d4

ype, Kokkos::RangePolicy>::execute() const:368 0x23319d
ambda(int)#2} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2315de
ambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x2310fe
{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x239c26
 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x235345
 const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x232404
Policy>::execute() const:368 0x239f7a
licy>::execute() const:368 0x234c4c

kos::RangePolicy>::execute() const:368 0x23ab62
ew<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(int const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23b69b
_RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22db97
RKNSt7__cxx1112basic_stringIcSt11char_traitsIcESaIcEEEPNSt9enable_ifIXsr6Kokkos19is_execution_policyISL_EE5valueEvE4typeE:0x22a997
*, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, Kokkos::View<double const**, Kokkos::MemoryTraits<1u> >, double, int, int)::{lambda(Kokkos::Impl::HostThreadTeamMember<Kokkos::OpenMP> const&)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x23bc37
e*, double*, double*, double*, double*, double*, double*, double*, double*, double, double, double, double, double, double*, double*, double, double, int, int*)::{lambda(int)#1} const&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x237489
licy>::execute() const:368 0x233e64
nst&, std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&, unsigned long&):391 0x230bf4
```