

## Note

Calls not counted in the graph:

- 1) PETSc calls
- 2) MPI calls
- 3) Calls to linear interpolation routines
- 4) Calls to error handling routines
- 5) Calls to Fortran intrinsics
- 6) Code timing calls

## Legend



Link (Expanded on another page)



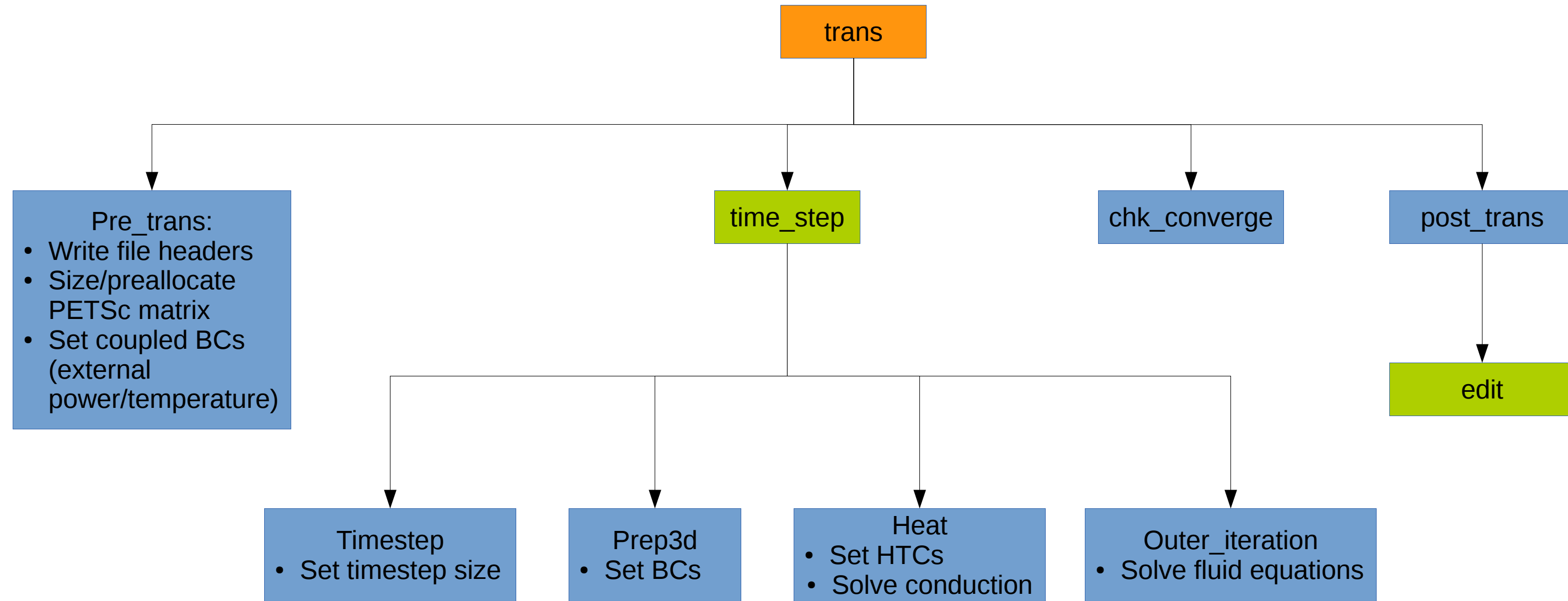
Routine that makes calls



Routine that makes no calls (dead end)

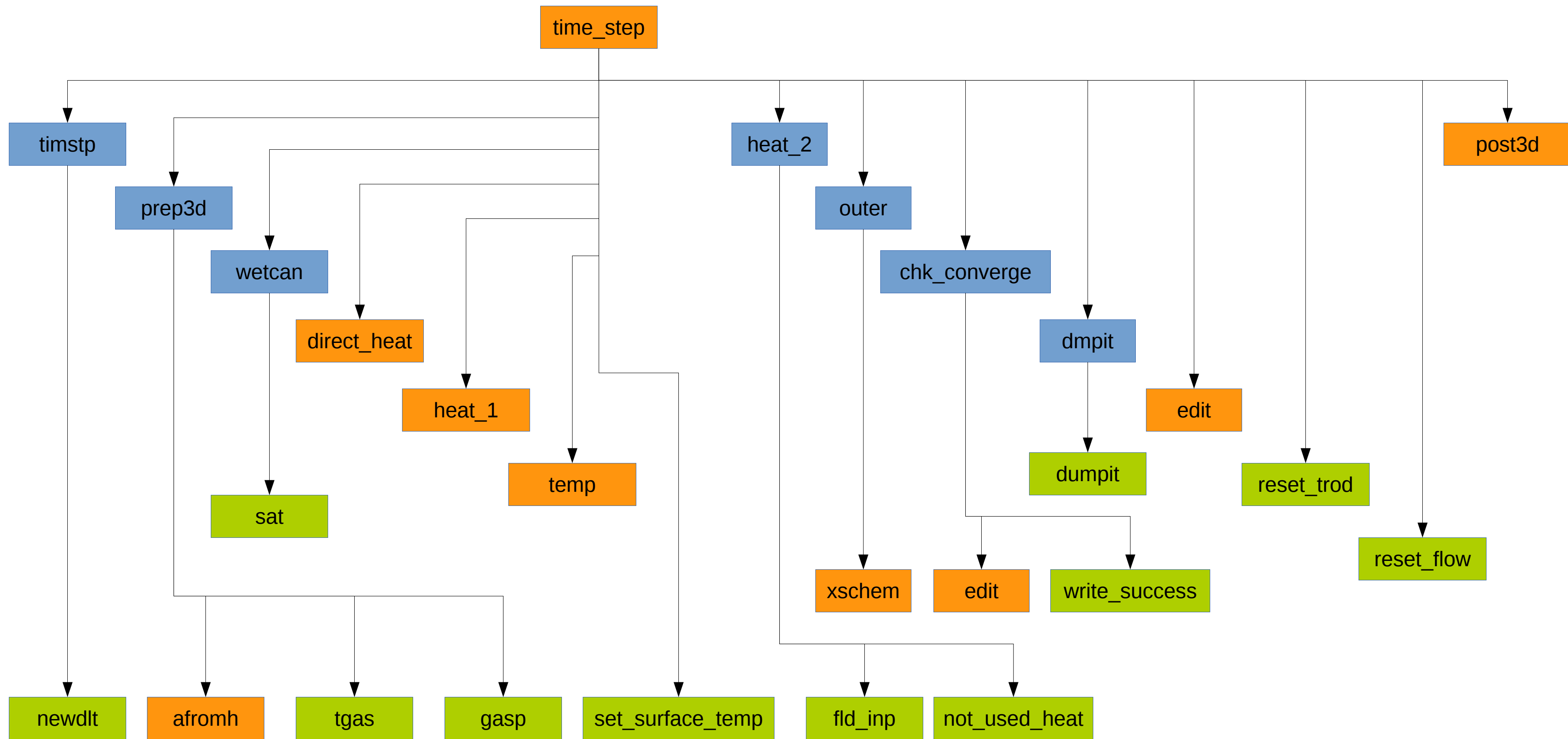


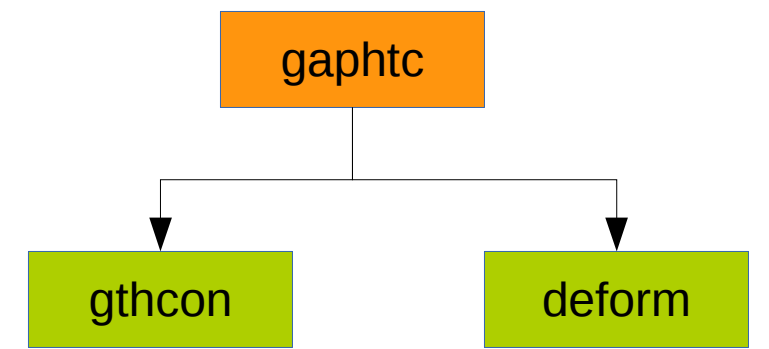
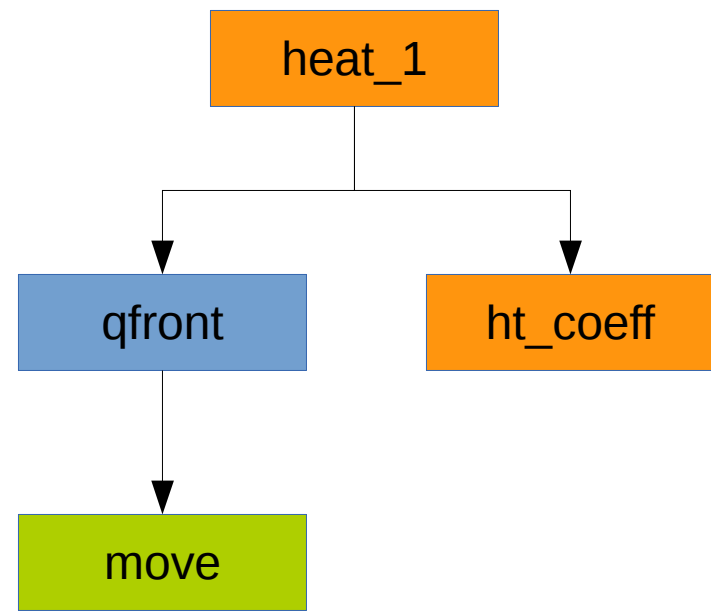
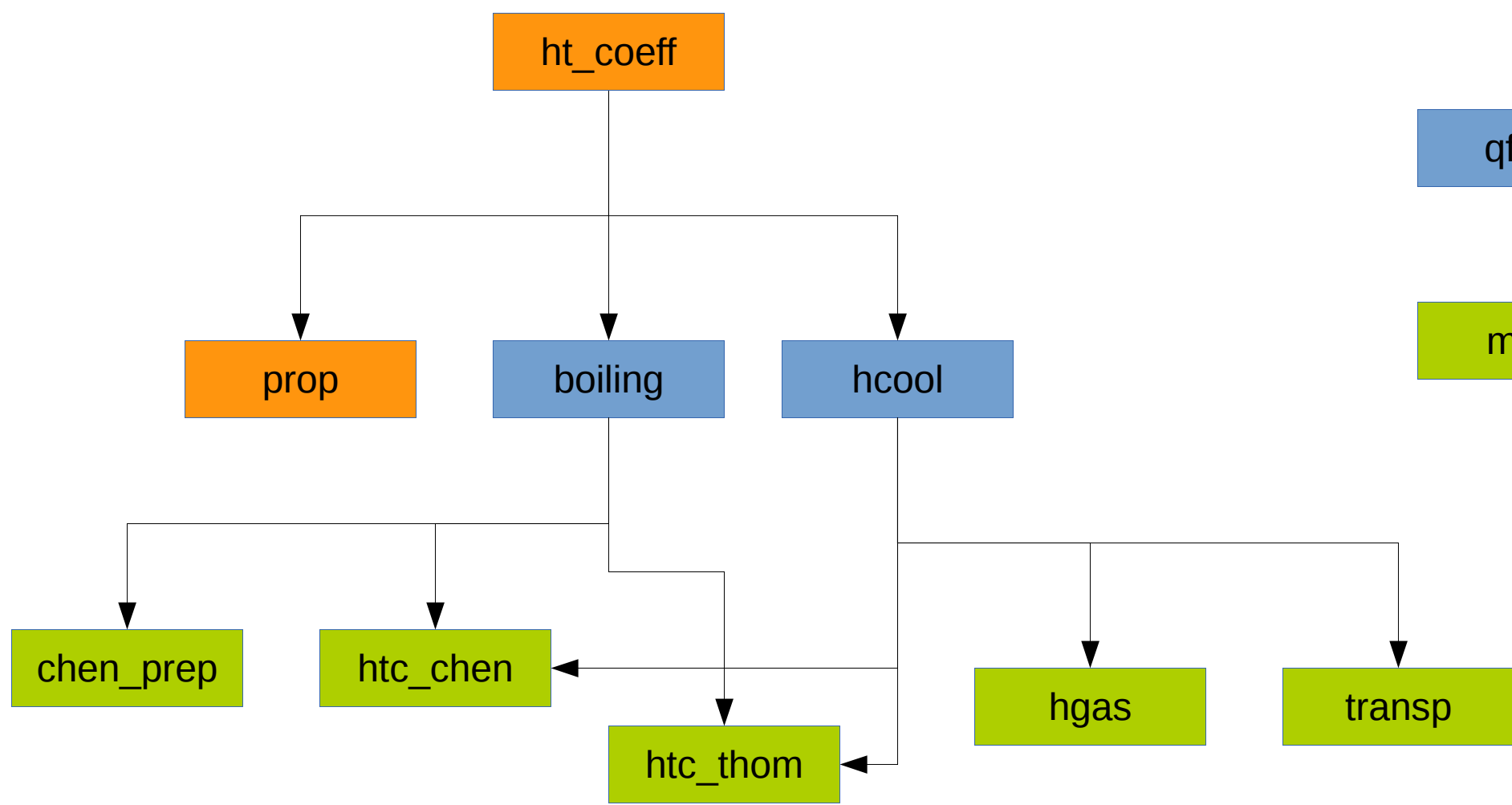
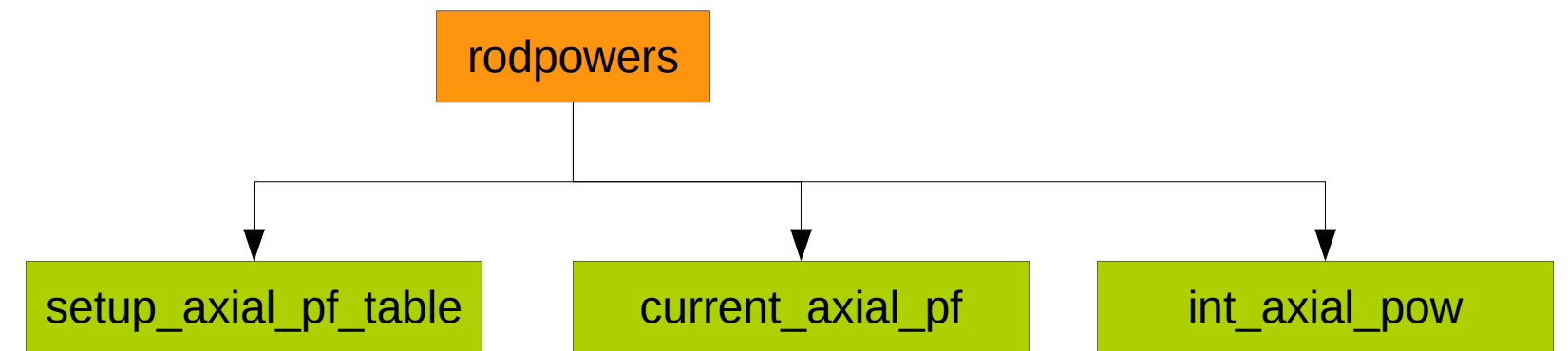
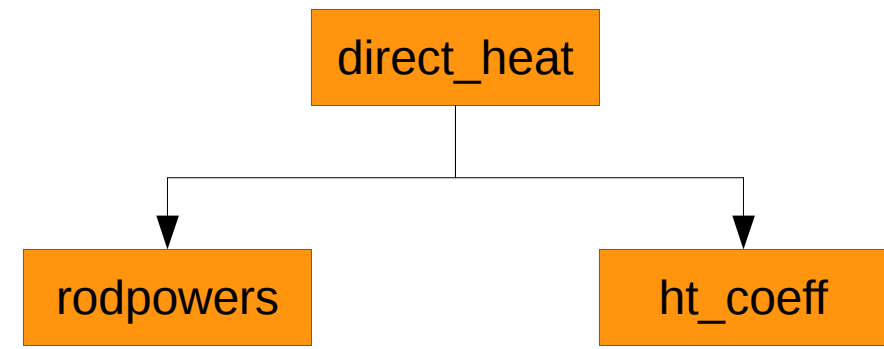
Found in external library

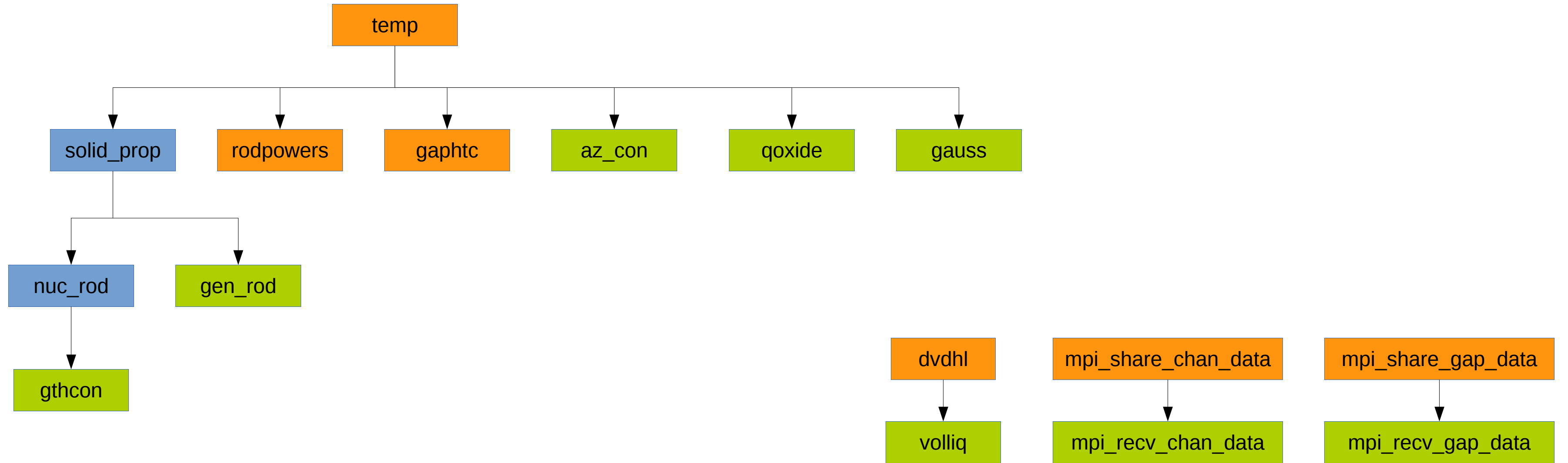


FuelRod class
<ul style="list-style-type: none"> <li>• Rod discretization</li> <li>• Boundary conditions</li> <li>• Power</li> <li>• Solution terms</li> <li>• Conduction solve options</li> <li>• Conduction solution</li> </ul>

Chan class
<ul style="list-style-type: none"> <li>• Channel discretization</li> <li>• Geometry</li> <li>• Axial connection (splitting) information</li> <li>• Form losses</li> <li>• Primary solution terms</li> <li>• Parallel information</li> <li>• Procedures for MPI shares</li> </ul>





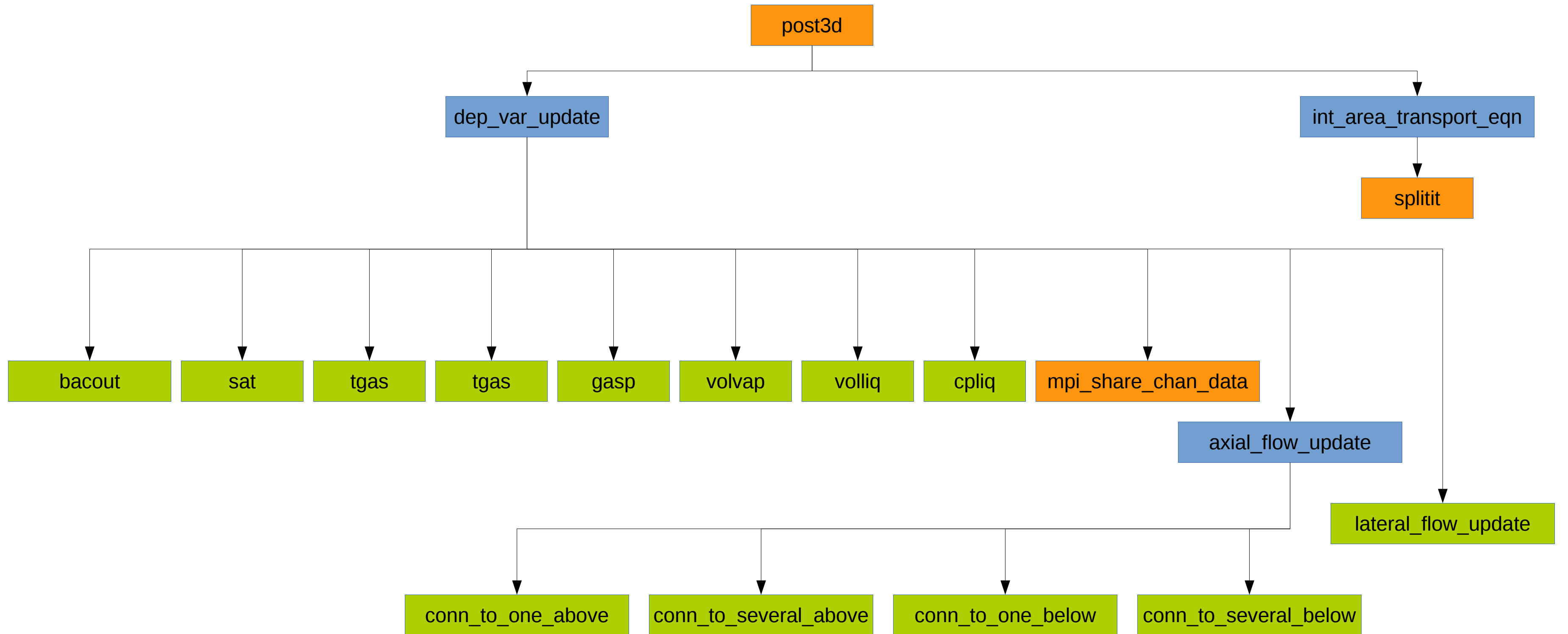


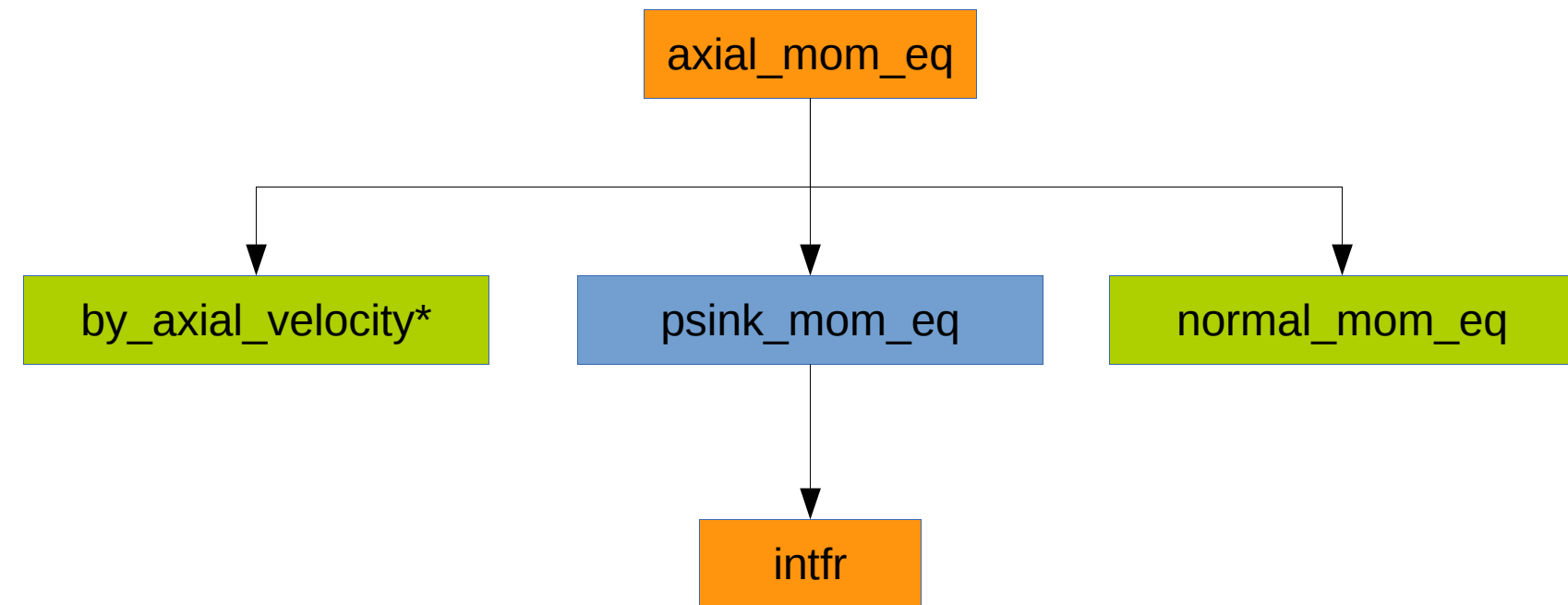
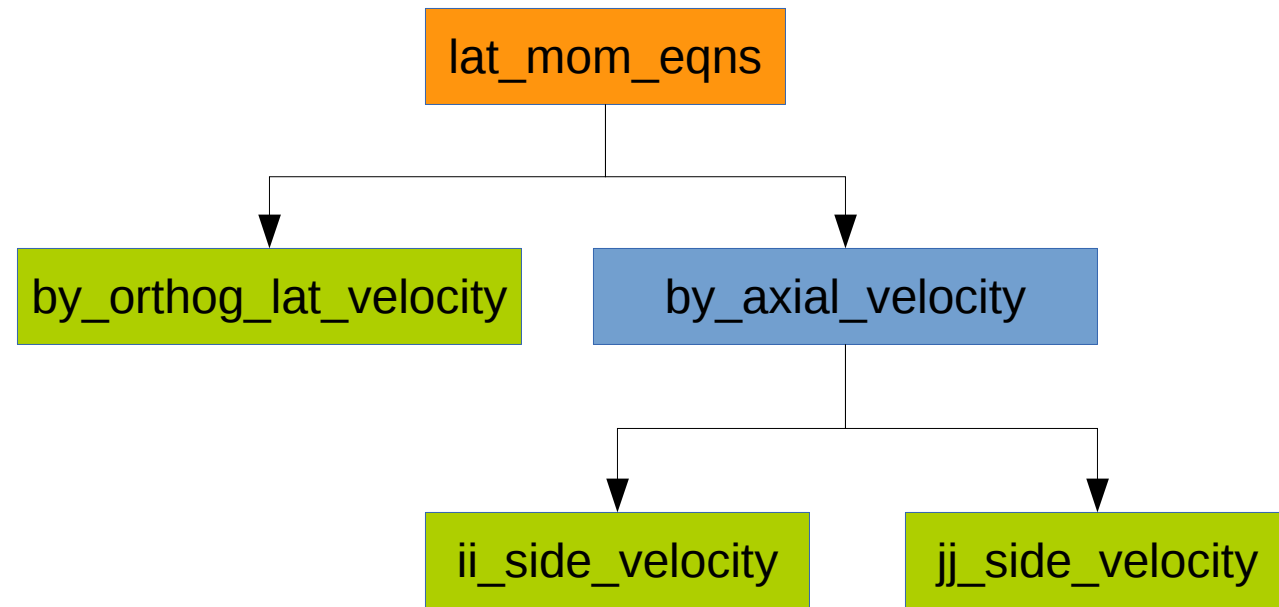
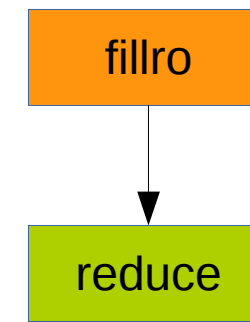
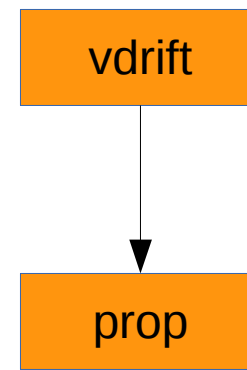
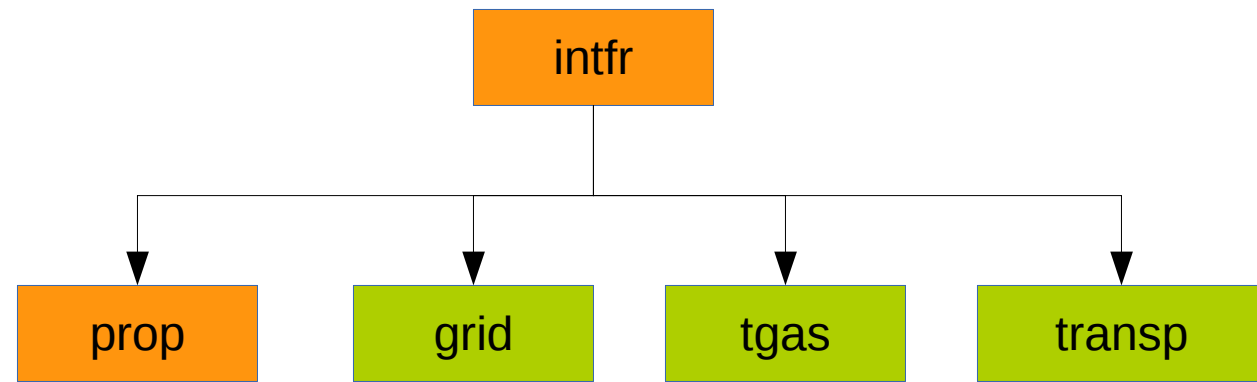
Momentum Equation Setup and Solution

Continuity/Energy Equation Setup and Solution

xschem







\* Different routine than one called by lat\_mom\_eqns



