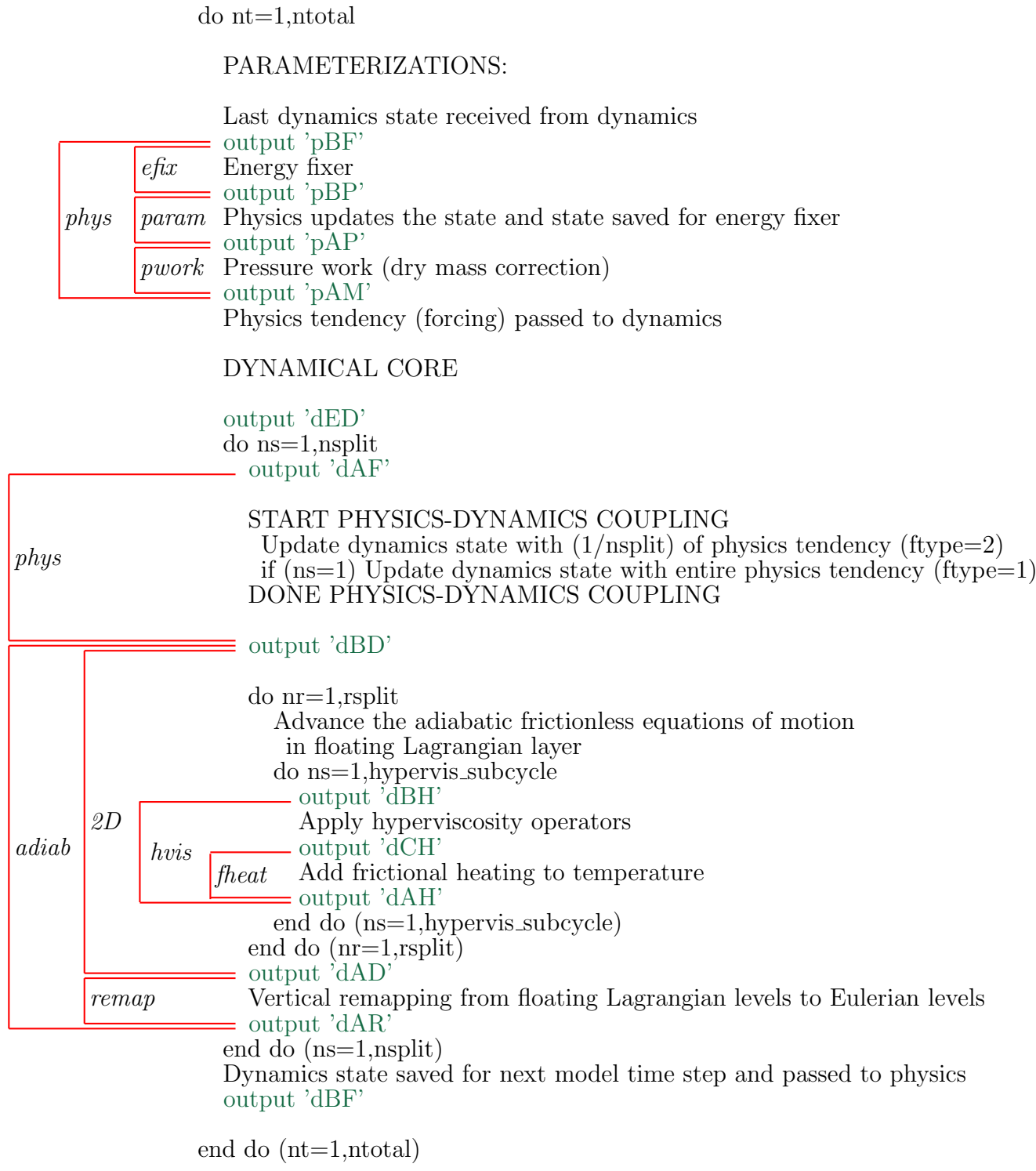
do nt=1,ntotal
PARAMETERIZATIONS:
Last dynamics state received from dynamics
output 'pBF'
efix
Energy fixer
output 'pBP'
phys
param
Physics updates the state and state saved for energy fixer
output 'pAP'
pwork
Pressure work (dry mass correction)
output 'pAM'
Physics tendency (forcing) passed to dynamics
DYNAMICAL CORE
output 'dED'
do ns=1,nsplit
output 'dAF'
START PHYSICS-DYNAMICS COUPLING
Update dynamics state with (1/nsplit) of physics tendency (ftype=2)
phys
if (ns=1) Update dynamics state with entire physics tendency (ftype=1)
DONE PHYSICS-DYNAMICS COUPLING
output 'dBD'
do nr=1,rsplit
Advance the adiabatic frictionless equations of motion
in floating Lagrangian layer
do ns=1,hypervis_subcycle
output 'dBH'
adiab
2D
Apply hyperviscosity operators
hvis
output 'dCH'
fheat
Add frictional heating to temperature
output 'dAH'
end do (ns=1,hypervis_subcycle)
end do (nr=1,rsplit)
output 'dAD'
remap
Vertical remapping from floating Lagrangian levels to Eulerian levels
output 'dAR'
end do (ns=1,nsplit)
Dynamics state saved for next model time step and passed to physics
output 'dBF'
end do (nt=1,ntotal)