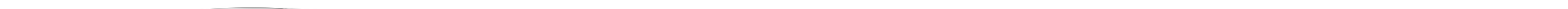

FR:calcTempPCMOverTime
FR:calcPCMMeltBegin
FR:calcPCMMeltEnd
FR:outputInputDerivVals
FR:calcTempWtrOverTime
FR:calcChgHeatEnergyWtrOverTime
FR:findMass
FR:inputValues
FR:calcChgHeatEnergyPCMOverTime
A:assumpTEO
A:assumpHTCC
A:assumpCWTAT
A:assumpTPCAV
A:assumpDWPCoV
A:assumpSHECov
A:assumpLCCCW
A:assumpTHCCoT
A:assumpTHCCoL
A:assumpLCCWP
A:assumpCTNOD
A:assumpSITWP
A:assumpPIS
A:assumpWAL
A:assumpPIT
A:assumpNIHGBWP
A:assumpVCMPN
A:assumpNGSP
A:assumpAPT
A:assumpVCN
TM:consThermE
TM:sensHtE
TM:latentHtE
TM:nwtnCooling
GD:rocTempSimp
GD:htFluxWaterFromCoil
GD:htFluxPCMFromWater
FR:checkWithPhysConsts
FR:verifyEnergyOutput
NFR:correct
NFR:verifiable
NFR:understandable
NFR:reusable
NFR:maintainable
GS:waterTempGS
GS:pcmTempGS
GS:waterEnergyGS
GS:pcmEnergyGS
IM:eBalanceOnPCM
DD:balanceDecayRate
DD:balanceDecayTime
DD:balanceSolidPCM
DD:balanceLiquidPCM
IM:eBalanceOnWtr
IM:heatEInWtr
DD:waterMass
DD:waterVolume.pcm
DD:tankVolume
IM:heatEInPCM
DD:htFusion
DD:meltFrac
DD:aspectRatio