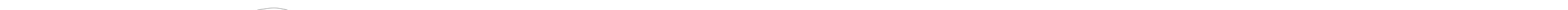

FR:findMass

IM:eBalanceOnPCM IM:eBalanceOnWtr IM:heatEInWtr IM:heatEInPCM DD:waterMass DD:waterVolume.pcm DD:tankVolume

FR:outputInputDerivVals FR:inputValues

DD:balanceSolidPCM DD:balanceLiquidPCM DD:balanceDecayRate DD:balanceDecayTime

FR:calcPCMMeltEnd FR:calcPCMMeltBegin FR:outputValues FR:calcValues 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

DD:htFusion DD:meltFrac DD:aspectRatio

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