$crystallite_stress And Its Tangent (stiffness\ calculation)$ crystallite_converged .false. .true. crystallite_dPdF = crystallite_fallbackdPdF myState = constitutive_state myF =crystallite_subF myFp = crystallite_Fp myFe = crystallite_Fe myLp = crystallite_Lp myP =crystallite_P k=1,3I=1,3 $crystallite_subF(:,:) = myF$ $crystallite_subF(k,l) = crystallite_subF(k,l) + pert_Fg$ onTrack = .true. converged = .false. NiterationState = 0 STIFFNESS LOOP: .not. converged .and. onTrack .and. NiterationState < nState NiterationState = NiterationState + 1 converged = crystallite_updateState onTrack = crystallite_integrateStress converged = onTrack .and. converged converged .true. .false. crystallite_dPdF = (crystallite_P-myP)/pert_Fg Ø constitutive_state = myState crystallite_Fp=myFp crystallite_Fe=myFe crystallite_Lp = myLp crystallite_P = myP