

## crystallite\_stressAndItsTangent

crystallite_requested		
.true.	.false.	
constitutive_subState0 = constitutive_partionedState0 crystallite_subFp0 = crystallite_partionedFp0 crystallite_subLp0 = crystallite_partionedLp0 crystallite_subF0 = crystallite_partionedF0	crystallite_subFrac = 0.0 crystallite_subStep = 2.0 crystallite_onTrack = .true. crystallite_converged = .false.	∅
NiterationCrystallite = 0		
CRYSTALLITE LOOP: any: crystallite_subStep > subStepMin		
(see crystallite_stressAndItsTangent_CrystalliteLoop.nsd)		
.not crystallite_converged		
.true.	.false.	
ELASTIC RESPONSE:		
Fe_guess = crystallite_partionedF * crystallite_partionedFp0 ^ -1		∅
Tstar = 0.5 * constitutive_homogenizedC * ( Fe_guess ^ T * Fe_guess - math_l3 )		
crystallite_P = Fe_guess * Tstar * crystallite_partionedFp0 ^ -T		
updateJaco		
.true.	.false.	
STIFFNESS CALCULATION: (see crystallite_stressAndItsTangent_StiffnessCalculation.nsd)		∅