## crystallite\_stressAndItsTangent (Crystallite Loop)

NiterationCrystallite = NiterationCrystallite +	1			
any:.n	ot.crystallite_converged	l and not crys	tallite_localConstitution	on
.true.				.false.
all: crystallite_converged = crystallite_converged and crystallite_localConstitution			Ø	
	crystall	lite_converge	d	
.true.				.false.
WINDING FORWARD:  crystallite_subFrac = crystallite_subFrac + crystallite_subStep  crystallite_subStep = min(1.0crystallite_subFrac, 2.0 * crystallite_subStep)		CUTBACK:  crystallite_subStep=0.5*crystallite_subStep  crystallite_fp=crystallite_subFp0  crystallite_Lp=crystallite_subLp0		
crystallite_subStep	>subStepMin			crystallite_subState0
.true.		.false.		
crystallite_subF0 = crystallite_subF crystallite_subFp0 = crystallite_Fp crystallite_subLp0 = crystallite_Lp constitutive_subState0 = crystallite_state	Ø			
crystallite_onTrack=crystallite_subStep>s	ubStepMin			
		crystallit	e_onTrack	
.true.				.false.
crystallite_subF = crystallite_subF0 + crysta crystallite_subdt = crystallite_subStep*crys crystallite_converged = .false.		te_partionedF	-crystallite_partioned	F0) Ø
NiterationState = 0				·
STATE LOOP: any: crystallite_requested ar and. NiterationState < ncryst	nd.crystallite_onTrack.a	ndnot. crysta	llite_converged	
NiterationState = NiterationState + 1				
	crystallite_requested.a	nd.crystallite_	onTrack	
.true.				.false.
crystallite_onTrack = crystallite_integ	rateStress		Ø	
crystallite_onTrack = crystallite_integ	rateStress crystallite_requested.a	nd. crystallite_		
crystallite_onTrack = crystallite_integ		nd. crystallite_		.false.