```
crystallite_integrateStress
 Fg new=crystallite subF
 Fp_current = crystallite_subFp0
Tstar_v = crystallite_Tstar_v
 Lpguess_old = crystallite_Lp
 Lpguess = crystallite_Lp
 crystallite_integrateStress = .false.
   invFp_current = math_inv3x3(Fp_current)
               invFp_current = 0.0
 .true
                                                                  .false.
 return
                                        Ø
 A=invFp_current ^T*Fg_new ^T*Fg_new*invFp_current
   constitutive_microstructure
   C = math_Mandel66to3333( constitutive_homogenizedC())
 NiterationStress = 0
 leapfrog = 1.0
 maxleap = 1024.0
jacoCounter=0
     LP LOOP (see crystallite_integrateStress_LpLoop)
 invFp_new=invFp_current*B
 invFp_new=invFp_new/math_det3x3(invFp_new)^(1.0/3.0)
   [Fp_new,det,error] = math_invert3x3(invFp_new)
                               error
 .true.
                                                                  .false.
 INVERSION FAILED: return
                                                   Ø
 Fe new=Fg new*invFp new
 Tstar_v = Tstar_v + p_hydro
 crystallite_P=Fe_new*Tstar_v*invFp_new^T
 crystallite_Lp = Lpguess
 crystallite_Tstar_v=Tstar_v
 crystallite_Fp=Fp_new
 crystallite_Fe=Fe_new
 crystallite_integrateStress = .true.
```