define the required stress tensor (for the stress-free state the zero values must be set

get the stress tensor from Abinit code for our structure

calculate stress difference (residual stresses)

the residual stress is multiplied by the convergence parameters (proportional to average elastic compliance coefficients) and the transformation (Jacobian) matrix is calculated

The transformation matrix is aplied to a set of translation vectors to get a new set.

see the @r1, @r2 and @r1

