

*Step 1:*

**calculate all  $(N-k)v$   
possibilities one  
further austenitic  
grain of the RVE  
could transform**

*Step 2:*

**Evaluate the  
grain-laminate  
pair that  
minimizes the  
systems specific  
free energy  $\phi$**

*Step 3:*

**Generate new input  
files, where the  
found grain-laminate  
pair from Step 2 has  
already transformed  
( $k = k + 1$ )**