

Steps

1. Space and time set up
2. Parameters set up
3. Matrix set up
4. Initial condition (grain conditions)
(all data in $t=0$ obtained)
5. Calculate derivative function of phase field parameter for space
6. Calculate derivative function of anisotropy for angle
7. Calculate derivative function of temperature for space
8. Calculate anisotropy of next time step
9. Calculate phase field parameter of the next time step
10. Calculate temperature of the next time step
11. Repeat 3-8 until reach the final time step