

Problem 1: linearization parameters are different

Windows

The linearisation parameters of the phases BCC_A2/FCC_A1 are:

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1008.2000 .....! T0 [K]
-14.992405 .....! dG [J/cm**3]
-6.05782562E-02 .....! dSf+ [J/cm**3K]
-0.45526580 .....! dSf- [J/cm**3K]
-579.12817 .....! dH [J/cm3]
7.83146060470077E-02 .....! c0 (C) /BCC_A2
3.1655900046138 .....! c0 (C) /FCC_A1
0.71001708528564 .....! c0 (MN) /BCC_A2
2.3098951511803 .....! c0 (MN) /FCC_A1
-7437.4606 .....! m (C) /BCC_A2
-32.850561 .....! m (C) /FCC_A1
-377.64338 .....! m (MN) /BCC_A2
-15.210879 .....! m (MN) /FCC_A1
6.06383799E-04 .....! dcdT (C) /BCC_A2
-1.94525794E-02 .....! dcdT (C) /FCC_A1
4.45177085E-03 .....! dcdT (MN) /BCC_A2
-1.50418498E-02 .....! dcdT (MN) /FCC_A1
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The linearisation parameters of the phases FCC_A1/CEMENTITE_D011 are:

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1008.2001 .....! T0 [K]
26.124155 .....! dG [J/cm**3]
1.1923044 .....! dSf+ [J/cm**3K]
1.4253208 .....! dSf- [J/cm**3K]
641.88102 .....! dH [J/cm3]
3.1655900046138 .....! c0 (C) /FCC_A1
25.000000000000 .....! c0 (C) /CEMENTITE_D011
2.7649480459788 .....! c0 (MN) /FCC_A1
6.1998610536024 .....! c0 (MN) /CEMENTITE_D011
91.975998 .....! m (C) /FCC_A1
-999.99900 .....! m (C) /CEMENTITE_D011
3.6652036 .....! m (MN) /FCC_A1
1.7774351 .....! m (MN) /CEMENTITE_D011
-1.38777878E-11 .....! dcdT (C) /FCC_A1
0.0000000 .....! dcdT (C) /CEMENTITE_D011
4.47855442E-03 .....! dcdT (MN) /FCC_A1
-9.38923465E-03 .....! dcdT (MN) /CEMENTITE_D011
Slopes of C in phase CEMENTITE_D011 cannot be calculated!
complete relinearisation!
```

Linux

The linearisation parameters of the phases BCC_A2/FCC_A1 are:

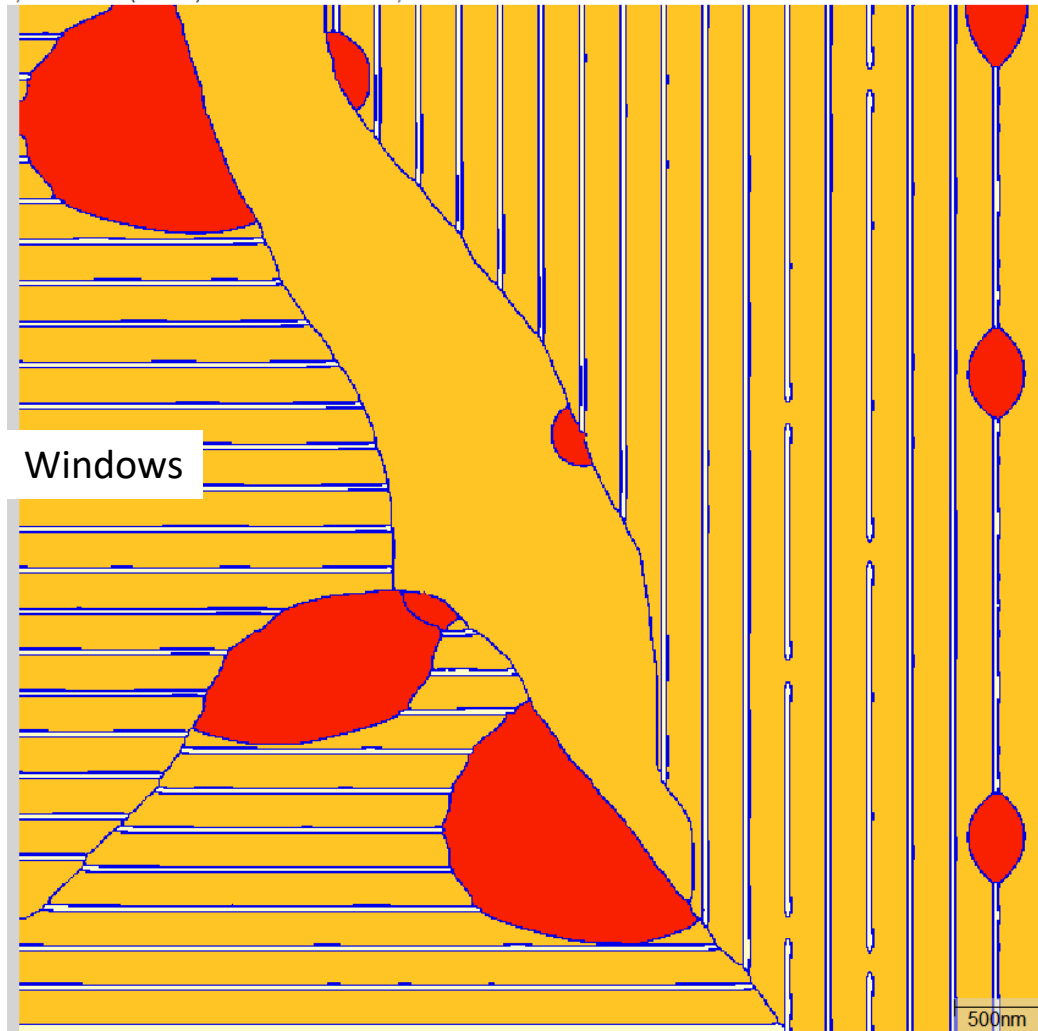
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-----
1008.2000 .....! T0 [K]
-15.016400 .....! dG [J/cm**3]
-6.04500936E-02 .....! dSf+ [J/cm**3K]
-0.45528337 .....! dSf- [J/cm**3K]
-579.17932 .....! dH [J/cm3]
7.83678676322512E-02 .....! c0 (C) /BCC_A2
3.1672157898659 .....! c0 (C) /FCC_A1
0.71001708133712 .....! c0 (MN) /BCC_A2
2.3100424156411 .....! c0 (MN) /FCC_A1
-7451.8605 .....! m (C) /BCC_A2
-32.854300 .....! m (C) /FCC_A1
-378.46367 .....! m (MN) /BCC_A2
-15.209027 .....! m (MN) /FCC_A1
6.06784881E-04 .....! dcdT (C) /BCC_A2
-1.94597934E-02 .....! dcdT (C) /FCC_A1
4.45187287E-03 .....! dcdT (MN) /BCC_A2
-1.50437664E-02 .....! dcdT (MN) /FCC_A1
```

The linearisation parameters of the phases FCC_A1/CEMENTITE_D011 are:

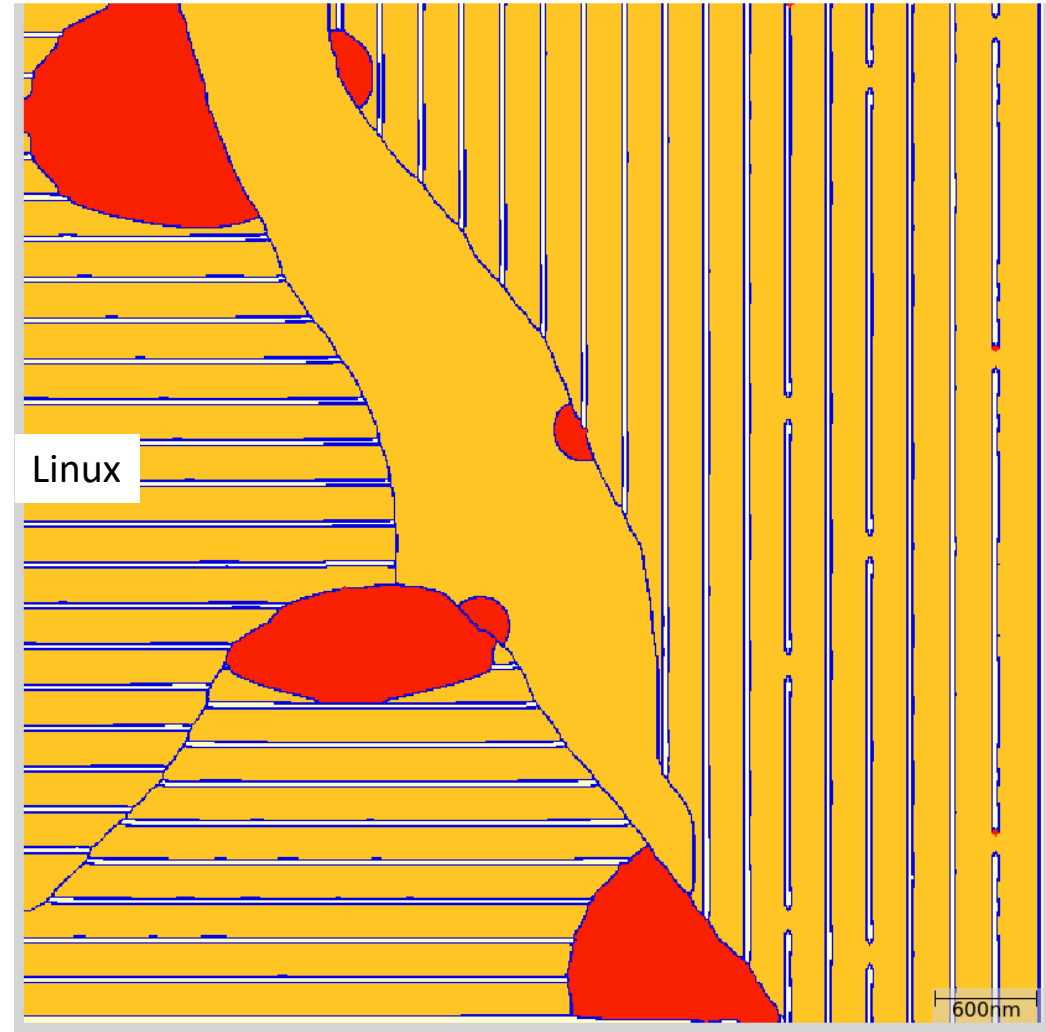
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-----
1008.2001 .....! T0 [K]
25.945156 .....! dG [J/cm**3]
1.1921539 .....! dSf+ [J/cm**3K]
1.4251214 .....! dSf- [J/cm**3K]
641.93719 .....! dH [J/cm3]
3.1672157898659 .....! c0 (C) /FCC_A1
25.000000000000 .....! c0 (C) /CEMENTITE_D011
2.7651194339626 .....! c0 (MN) /FCC_A1
6.1998369300791 .....! c0 (MN) /CEMENTITE_D011
91.947241 .....! m (C) /FCC_A1
-999.99900 .....! m (C) /CEMENTITE_D011
3.6645640 .....! m (MN) /FCC_A1
1.7772305 .....! m (MN) /CEMENTITE_D011
0.0000000 .....! dcdT (C) /FCC_A1
0.0000000 .....! dcdT (C) /CEMENTITE_D011
4.47850152E-03 .....! dcdT (MN) /FCC_A1
-9.38853673E-03 .....! dcdT (MN) /CEMENTITE_D011
Slopes of C in phase CEMENTITE_D011 cannot be calculated!
complete relinearisation!
```

Problem 2:

Nucleation at different position but that's not the main issue because it is supposed to be random



teDiss_Portion10_Ini_Eq_10Cs_Normal_CemOrie_corr13_4.phas.mcr, X: 1 to 600, Y: 1 of 1, Z: 1 to 600, Time: 1.25s



cb-10Cs-07.phas, X: 1 to 600, Y: 1 of 1, Z: 1 to 600, Time: 1.25s

Problem 3:

Some nuclei only grow much later in Linux while the same type of seed grows earlier in Windows

