

INPUT TO MIK CODE

4.0	18.0	2018.0	16	14	20	!	R1,R2,RF,N1,N2,N3
						!	distance to mesh groups, no. of points in mesh groups
1.0E-09	1.0E-09					!	H0,EPS
						!	input time step to gear, error control parameter
1.40000000e-06	1.00000000	1.00000000	1.0			!	DISPRT,ETAV,ETAI,DOSE
						!	peak displ rate, v/i production efficiency, dose
360.00000000						!	TEMPC
						!	peak temperature
0.2100000	0.0900000					!	CONCB,CONCC
						!	concentration of B, C
1.00000e+14	9.10000e+28	3.50000e-10				!	DISL,NAT,LAMBDA
						!	peak disloc density, no. density, jump distance
0.785	0.668	0.872	0.660			!	FAV,FBV,FCV,FI -- 0.44???
						!	jump correlation factors (A,B,C,interstitial)
1.80000000	3.20000000	1.00000000				!	WAV,WBV,WCV -- 1.6 (1.4) ,2.4 (2.3),1.0 or
						!	1.866666666666,3.333333333
						!	relative vac jump frequency ratios (A,B,C)
1.00000000	1.00000000	1.00000000				!	WAI,WBI,WCI
						!	relative int jump frequency ratios (A,B,C)
-4.28000000	-4.21000000	-4.44000000				!	ECOHA,ECOHB,EOHC -- -4.28,-4.10,-4.44
						!	cohesive energies
0.90000000	0.90000000	0.90000000	1.00000000			!	EMIA,EMIB,EMIC,SV
						!	int migration energies, vac formation enthalpy
1.28000000	0.97000000	1.04000000				!	EMA,EMB,EMC
						!	pure element [vac] migration energies
1.40000000	1.60000000	1.79000000	1.40000000			!	EFA,EFB,EFC,EFGB
						!	pure element [vac] form'n energy, GB formation energy
0.00300000	-0.00100000	0.00500000				!	EORDAB,EORDAC,EORDBC
						!	ordering energies
1.5e+13	1.5e+12					!	NUOV,NUOI
						!	debye frequencies
1.00000000	12.00	1.00	1.00			!	AL,Z,BIASV,BIASI
						!	thermo factor, neighbor atoms, disloc bias for v/i
1.0E-00	1.0E+01	5.0E+02	1.0e+03	5.0e+03	1.4e+04	!	TOUTPT(I),I=1,20
5.0E+04	7.1E+04	1.0E+05	1.4e+05	3.6e+05	4.3e+05	!	
7.1E+05	2.1E+06	2.2E+06	2.3e+06	5.0e+06	7.0e+07	!	
1.0e+08	0.0e+00					!	
						!	user-required output times
N						!	FRAC

1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! indicates whether profiles will be used
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! TFRAC(I),I=1,NSTEP-1
1.0000	1.0000	1.0000				! fraction of max temperature
1.0000	1.0000	1.0000				!
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! CAFRAC(I),I=1,NSTEP
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! fraction of peak atom A
1.0000	1.0000	1.0000				!
0.1231	0.2991	0.3912	0.4573	0.5100	0.6988	! CBFRAC(I),I=1,NSTEP
0.8144	0.8969	0.9613	1.0150	1.0000	1.0000	! fraction of peak atom B
1.0000	1.0000	1.0000				!
1.1670	1.1334	1.1160	1.1033	1.0933	1.0574	! CCFRAC(I),I=1,NSTEP
1.0354	1.0196	1.0074	0.9971	1.0000	1.0000	! fraction of peak atom C
1.0000	1.0000	1.0000				!
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! DFRAC(I),I=1,NSTEP
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! fraction of peak damage
1.0000	1.0000	1.0000				!
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! SFRAC(I),I=1,NSTEP
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	! fraction of max disloc density
1.0000	1.0000	1.0000				!