

Article No. : #923

Title of Paper : Effect of Ion Irradiation on the Hardness Properties of High and Low Copper

Line Number	Original Text	Correction	Note / Change
12	A 25 μm flat damage profile was achieved at 0.367 dpa and 0.373 dpa for low and high copper samples respectively	A 25 μm flat damage profile was achieved at 0.367 and 0.373 dpa for low and high copper samples, respectively	dpa ,
35	It was found that 0.3 wt% and 0.05 wt% were used for high and low impurity levels of copper.	It was found that 0.3 and 0.05 wt% were used for high and low impurity levels of copper, respectively.	wt% , respectively.
45	ageing	aging	Need confirmation
48	ageing	aging	Need confirmation
53	one of which is copper	one of them is copper	Need confirmation
82	that it can be used on both the micro scale and the macro scale	that it can be used on both the micro and macro scale	Need confirmation
132	The simulation was performed for both compositions with ions of energies of 1 MeV, 3 MeV and 9 MeV.	The simulation was performed for both compositions with ions of energies of 1, 3 and 9 MeV.	MeV
143	The ion used was Hydrogen with ions of energies of 1.0 MeV, 3.0 MeV and 9.0 MeV H Primary Knock-on Atom (PKA) into high and low copper for 5000 incident ions.	The ion used was hydrogen with ions of energies of 1, 3 and 9 MeV primary knock-on atom (PKA) into high and low copper for 5,000 incident ions.	hydrogen 1, 3 and 9 MeV H primary knock-on atom (PKA) 5,000 incident ions.
151	The total charge applied was 36000 μC .	The total charge applied was 36,000 μC .	36,000 μC .
186	The indent depths for different loads were approximately 3 μm , 8 μm , 11 μm and 16 μm .	The indent depths for different loads were approximately 3, 8, 11 and 16 μm .	μm
213	The penetration depth was approximately 7 μm for 1 MeV protons, 38 μm for 3 MeV and 234 μm for 9 MeV.	The penetration depth was approximately 7, 38 and 234 μm respective for 1, 3 and 9 MeV protons.	Need confirmation
203	The results were satisfactory as the dpa (Displacement per atom) behaviour is clear.	The results were satisfactory as the dpa (displacement per atom) behaviour is clear.	displacement
310	Additionally, the surfaces of the samples were not very smooth and shiny as expected for a hardness test	Additionally, the surfaces of the samples were not very smooth and shiny as expected for a hardness test	the
314	Nanoindentation	Nano indentation	Need confirmation