hapter 4:- coppe steel Fcc Iron ( no ne BCC 14 Sen Temp Vacancies / em 3 lattice points / atoms / cm3 imper activation Energy Gas Constant. = 1.987 cal/mol. K = 5.314 SImol. K J. tempretive Normal Normal No Direction Schmid's law- T= 5 cost cost o Tr Tr = Fr 1 A ... Resolved ... shear shress A. K 5 = FIA. Uniclinectional stress applied on the Cylinder Fil a CRSS: 60 Stip, CRSS = Tr If not make CRSS < Dr. Hall-Petch equation... constants swifag defects... Gy 2 Go + Kd -1/2 yield gield Gaverage eliameter of Strength Grains Importance & defecti-6

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b-vector : representé the magnitude & directria. of the lattice distortion resulting from a clastocation deformation Itall- Pelek inadefon Importance of defect

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