Multiscale simulation in a materials-strength field

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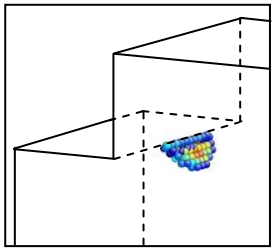
Mutiscale simulation for materials strength evaluation from nano-scale to macro-scale.

Dislocation nucleation in silicon



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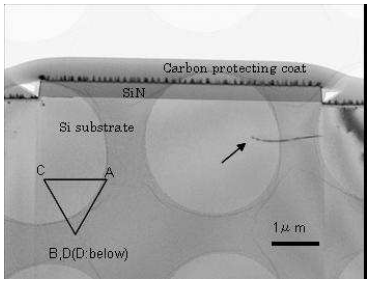
K. Shina et al, J. Appl. Phys., 108 (2010), 063504.

TEM observation of shuffle-set dislocation



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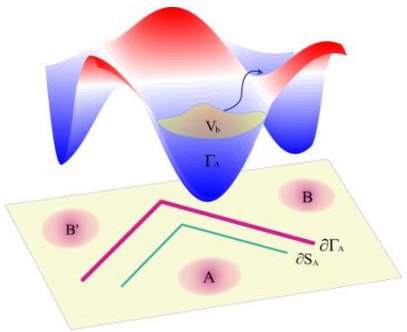
S. Izumi, et al.,.Philo. Mag. Lett., Vol. 90-10 (2010), pp. 707–714.

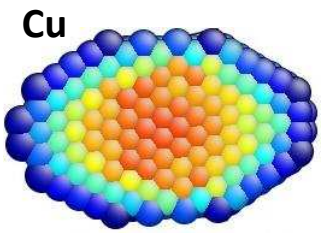
Accelerated molecular dynamics



S. Hara

S. Hara et al., *Phys. Rev. B. submitted*.

Homogeneous dislocation nucleation



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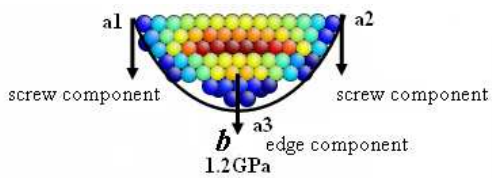
H. Saeed, et al, Mater. Res. Soc. Symp. Proc. Volume 1224 (2010), 1224-FF05-14.

Dislocation nucleation in copper



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Y. Sun, et al, Model. Sim. Mater. Eng,., submitted.