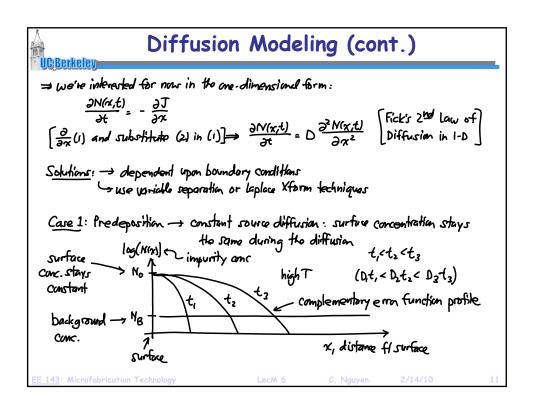
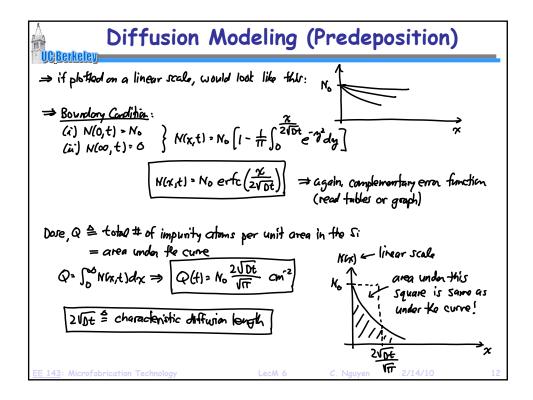
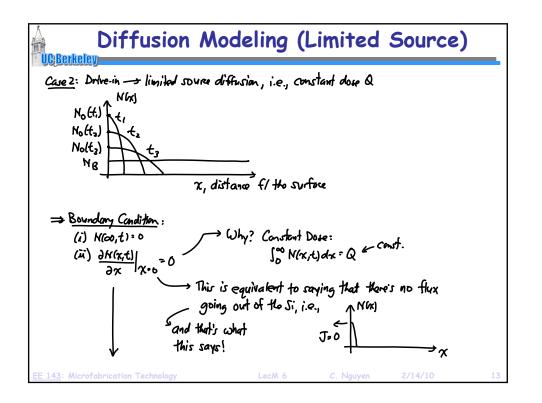


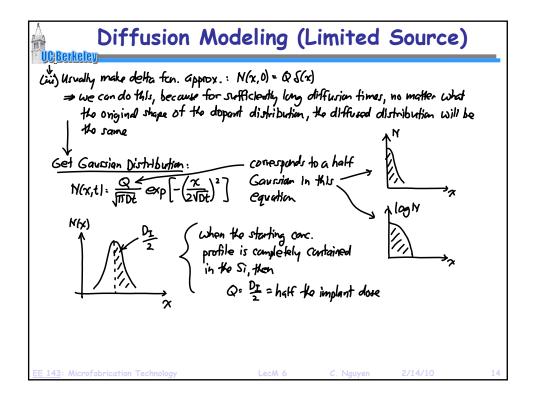
EE 143: Microfabrication Technology Lecture Module 6: Diffusion



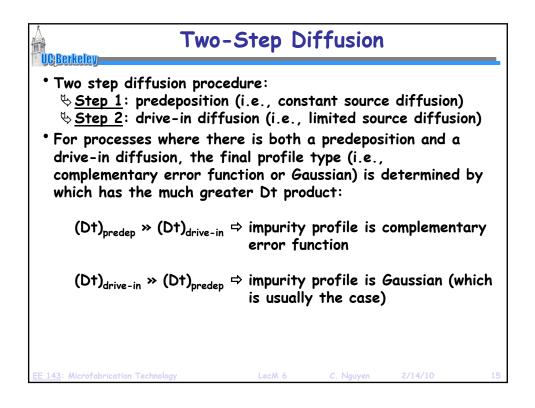


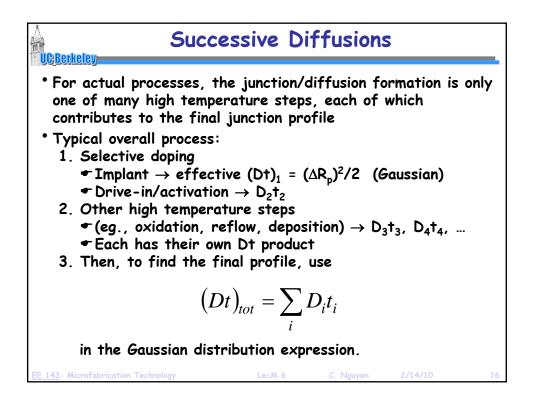
CTN



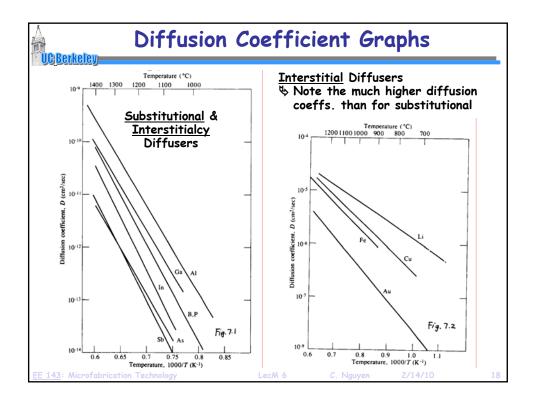


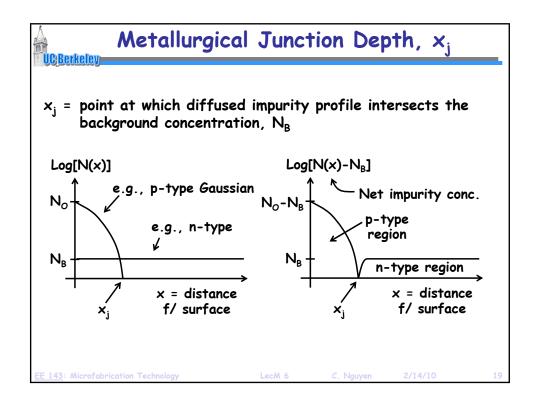
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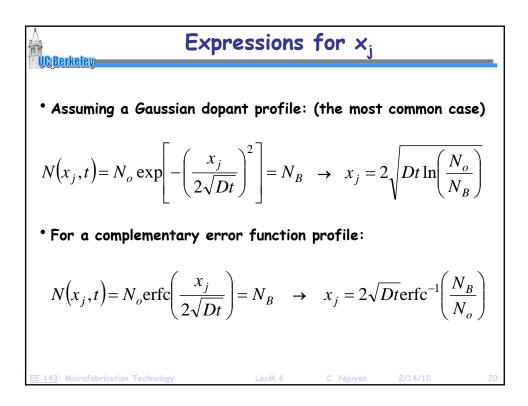




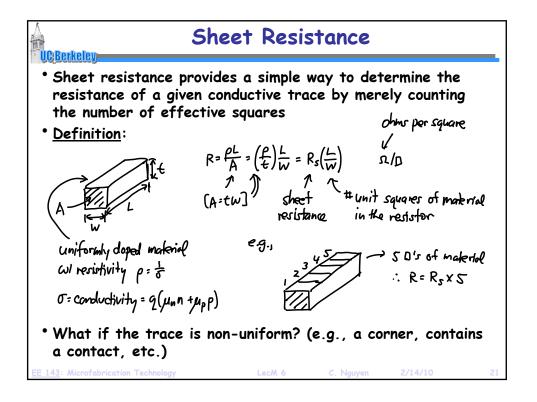
The Diffusion Coefficient		
$D = D_o \exp\left(-\frac{E}{k}\right)$	$\left(rac{A}{T} ight)$ (as usual, an A	rhenius relationship
Table 4.1 Typical Diffe Element	usion Coefficient Values fo $D_0(\text{cm}^2/\text{sec})$	r a Number of Impurities. $E_{A}(eV)$
В	10.5	3.69
Al	8.00	3.47
Ga	3.60	3.51
In	16.5	3.90
Р	10.5	3.69
As	0.32	3.56
CL	5.60	3.95
Sb	5.00	5.75
SD	5.00	

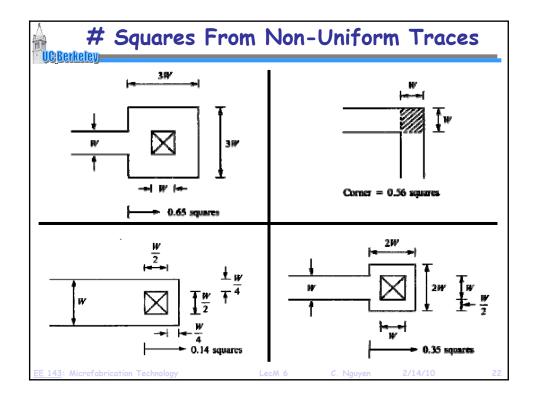






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