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~306 Surface Science 251/252 (1991) 1.5 North-Holland Order-disorder transitions at surfaces J.F. van der Veen and J.W.M. Frenken FOM Institute for Atomic and ...

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In solid-state physics, a metal-semiconductor (M-S) ... In practice, the Schottky barrier height is not precisely constant across the interface, ...

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Applied Surface Science 41/42 (1989) 139-143 North-Holland 139 FROM HETEROJUNCTION INTERFACES TO METAL-SEMICONDUCTOR INTERFACES D.W. NILES *, M. TANG, J. MCKINLEY, R ...

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Fermi Level Position at Metal-Semiconductor Interfaces

THE METAL-SEMICONDUCTOR INTERFACE 67 1000 mJ/m² typically corresponds to ~ 0.6 eV per surface atom exposed. The magnitude of ϕ_{LV} is usually larger for metallic ...

The Metal-Semiconductor Interface - Connecting Repositories

potential is present at the interface of any two dissimilar materials. We are usually FIGURE 4-3(a) ... 96 Chapter 4 PN and Metal-Semiconductor Junctions

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Metal-Semiconductor Interfaces and Schottky Barriers G. W. Rubloff IBM Thomas J. Watson Research

Center, P.O. Box 218 Yorktown Heights, NY 10598, USA

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