

Thermodynamic theory of epitaxial alloys: first-principles mixed-basis cluster expansion of (In, Ga)N alloy film

This content has been downloaded from IOPscience. Please scroll down to see the full text.

2009 J. Phys.: Condens. Matter 21 295402

(<http://iopscience.iop.org/0953-8984/21/29/295402>)

View [the table of contents for this issue](#), or go to the [journal homepage](#) for more

Download details:

IP Address: 128.138.65.115

This content was downloaded on 14/07/2015 at 17:36

Please note that [terms and conditions apply](#).

Thermodynamic theory of epitaxial alloys: first-principles mixed-basis cluster expansion of (In, Ga)N alloy film

Jefferson Zhe Liu and Alex Zunger

Abstract

Abstract text containing mathematical symbols and scientific notation, including terms like x , $()$, and $()$.



2

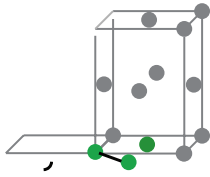


Table 1.	$\Pi_f(\sigma)$			
$\Pi_f(\sigma)$	\pm			

$$(m) \frac{N^{(i)}}{b^{(i)} N^{(i)}} \Delta H_m(\sigma) \Delta H_{\pm}(\sigma) .$$

$$\frac{N^{(i)}}{N^{(i)}} -$$

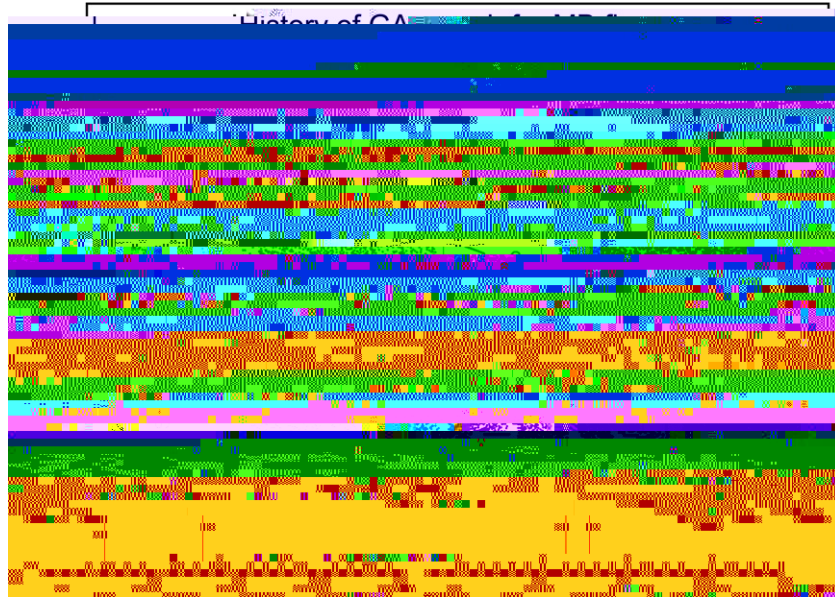


Figure 6.

N_s

N_s

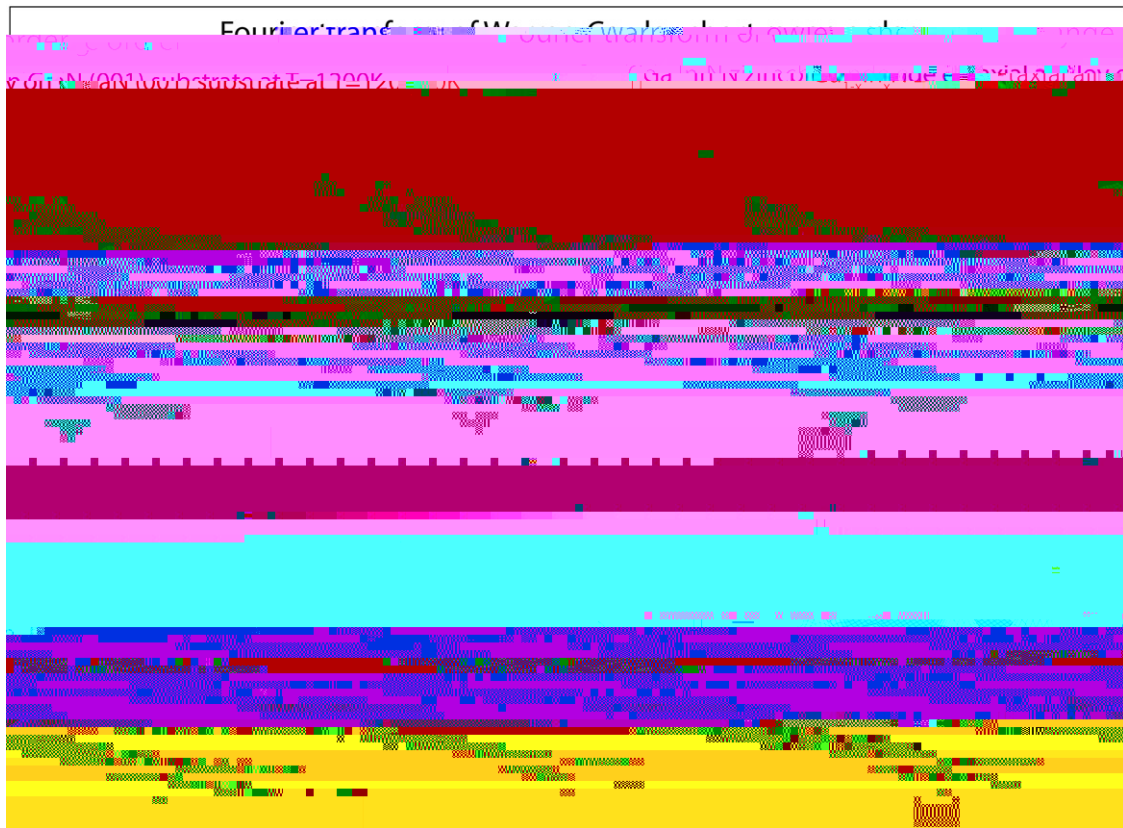


Figure 11.
 $T_{\infty} = \left(\frac{1}{j} \right)$

5. Summary

$\sigma_{\pm} = \sigma_{\pm}(\sigma)$
 $\bar{Q} = \bar{Q}(\sigma)$
 $\bar{k} = \bar{k}(\sigma)$
 $\Delta H_{\pm}(\sigma)$
 $\Psi((\dots))$
 Δ

