

## Evolution of $L_{12}$ ordered domains in fcc $\text{Cu}_3\text{Au}$ alloy

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

2007 J. Phys.: Condens. Matter 19 086201

(<http://iopscience.iop.org/0953-8984/19/8/086201>)

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 19:12

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

# Evolution of $L1_2$ ordered domains in fcc $Cu_3Au$ alloy

Mahdi Sanati <sup>1</sup> and Alex Zunger

Abstract

## Abstract

$L1_2$  ordered domains in fcc  $Cu_3Au$  alloy

## 1. Introduction

Introduction

$$\langle \sigma \rangle = \langle \sigma_1 \rangle + \sum_{i=2}^{\infty} \langle \sigma_i \rangle + \sum_{i=2}^{\infty} \dots + \sum_{i=2}^{\infty} \dots + \dots$$

$\sigma = \dots$



'oo

$$(\sigma) = \sum_{\mathbf{k}} \frac{\Delta(\mathbf{k}, \sigma)}{(\mathbf{k}, \sigma)} |(\mathbf{k}, \sigma)\rangle$$

$$(\mathbf{k}) \quad \Delta(\mathbf{k}, \sigma)$$

$$(\sigma) = (\sigma) + (\sigma),$$

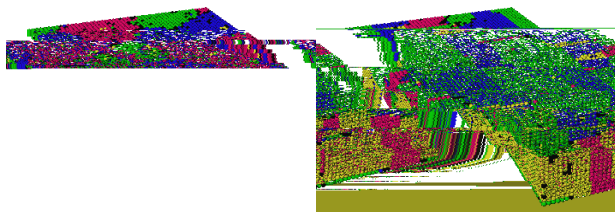
$\pm$   
{ }

( $\sigma$ )

( $\sigma$ )

'oo





(a)  $H_{\text{chem}} + H_{\text{strain}}$

