



*Faculty of Girls for Art,
Science and Education,
Ain Shams University*

CALCULATION OF ELECTRONIC BAND STRUCTURE AND MAGNETIC PROPERTIES OF A SELECTED HEUSLER ALLOY

By

Nesreen Taha Mokhtar El-Shamy

Thesis

**Submitted in Partial Fulfillment for the Ph.D.
Degree in Solid State Physics**

To

**Physics Department
Faculty of Girls for Art, Science and
Education, Ain Shams University**

B.Sc. in Physics, 1999

M.Sc. Degree in Solid State Physics, 2005

2010



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Dedicated

To

My PARENTS,

My Sisters,

My Family,

My Friends,

My HUSBAND

and

My Sweet Daughter

Mona



I humbly kneel to **ALLAH** thanking **HIM** for showing me the right path, without **HIS** help my efforts would have gone astray.

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Contents

<i>Subject</i>	<i>Page</i>
<i>List of Figures</i>	<i>vii</i>
<i>List of Tables</i>	<i>xxi</i>
<i>List of Abbreviations</i>	<i>xxiii</i>
<i>Abstract</i>	<i>xxvii</i>

<i>Chapter</i>	<i>Contents</i>	<i>Page</i>
1	Introduction	
1		
	1.1 Models of Magnetism	21
	1.2 Heusler Alloys: Experimental and Theoretical Background	24
	1.3 Structural Properties	25
	1.3.1 Martensitic Phase Transitions	29
	1.4 Magnetic Properties	30
	1.4.1 Ferromagnets	30
	1.4.2 Antiferromagnets and Ferrimagnets	31
	1.4.3 Localized Versus Itinerant Magnetism... ..	32
	1.5 Band Structure Calculations	34
	1.5.1 Formation of Local Moments	34
	1.5.2 Half-Metallic Ferromagnetism	36
	1.6 Applications of Heusler Alloys	51

1.6.1	Magnetoelectronics	52
1.6.1.1	Magneto-resistance	53
1.6.1.2	Spin-Injection	58
1.6.2	Developments in the Second Half of the 20 th Century	60
1.6.3	The Magnetic Shape Memory (<i>MSM</i>) Effect	64
1.6.4	Mechanism and Applications of Shape- Memory and <i>FSM</i> Effect	69

2 Theory and Computational Methods ... 73

2.1	Theoretical Background	73
2.2	The Many-Body Problem	73
2.3	The Main Ideas Behind <i>DFT</i>	74
2.3.1	Level 1: Approximation for the Electronic Hamiltonian in a Solid (the Born- Oppenheimer (<i>BO</i>) Approximation)	77
2.3.2	Wave Function Based Methods	80
2.3.2.1	The Hartree and Hartree-Fock Approximation	80
2.3.2.2	Beyond the Hartree-Fock Approximation	84
2.3.3	Level 2: Density-Functional Theory (<i>DFT</i>)	87
2.3.3.1	Original Idea: Thomas-Fermi Model (Basic Principles)	87
2.3.3.2	Hohenberg-Kohn Theorems (the Total Energy Functional)	90
2.3.3.3	The Kohn-Sham Equations (<i>DFT</i> as an Effective Single-Body Theory or	

Single-Particle Equations in a Spin-Polarized System)	96
2.3.3.4 The Self-Consistent Scheme	103
2.4 Approximation to the Exchange Correlation Functional (Making \mathcal{DFT} Practical)	106
2.4.1 Local Density Approximation (\mathcal{LDA}) ..	106
2.4.2 Modifications of \mathcal{LDA}	110
2.5 Level 3: Approximation for Solving the Kohn-Sham Equations	117
2.5.1 Bloch's Theorem	120
2.5.2 Basis Functions	121
2.5.2.1 Augmented Plane-Wave (\mathcal{APW}) Method	121
2.5.2.2 Linearized Forms of the \mathcal{APW} Method	125
2.5.2.2.1 The Traditional Linearized Augmented Plane-Wave (\mathcal{LAPW}) Method	125
2.5.2.2.2 \mathcal{LAPW} with Local Orbital ($\mathcal{LAPW} + \mathcal{LO}$)	129
2.5.2.2.3 A New Linearization ($\mathcal{APW} + \mathcal{lo}$) Method	130
2.5.2.2.4 Representation of the Potential (Full-Potential (\mathcal{L}) $\mathcal{APW} + \mathcal{lo}$ Method) ..	132
2.6 Two Important Basis Set Parameters: Energy Cutoff and \mathbf{k} -mesh	135
2.7 Introduction on the $\mathcal{WIEN2k}$ Code	138

3 Results and Discussion

141

3.1 Pd_2MnZ	147
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3.1.1 Calculation Details	149
3.1.2 Electronic Structure for Full-Heusler Alloys Pd ₂ MnZ, Z = (Ge, In, Sn and Sb)	149
3.1.3 The Total and Local Magnetic Moments for Pd ₂ MnZ Compounds	169
3.1.4 Charge- and Spin-Density Maps for Pd ₂ MnZ Compounds and Effect of Changing Z-atom	171
3.2 Rh ₂ MnZ	177
3.2.1 Calculation Details	180
3.2.2 Electronic Structure for Full-Heusler Alloys Rh ₂ MnZ, Z = (Ge, Sn, Sb and Pb)	180
3.2.3 The Total and Local Magnetic Moments for Rh ₂ MnZ Compounds	201
3.2.4 Charge- and Spin-Density Maps for Rh ₂ MnZ Compounds and Effect of Changing Z-atom	204
3.3 Co ₂ YSn	210
3.3.1 Calculation Details	214
3.3.2 Electronic Structure for Full-Heusler Alloys Co ₂ YSn, Y = (Ti, V and Mn)	215
3.3.3 The Total and Local Magnetic Moments for Co ₂ YSn Compounds	232
3.3.4 Charge- and Spin-Density Maps for Co ₂ YSn Compounds and Effect of Changing Y-atom	236
3.4 NiMnSb	241
3.4.1 Calculation Details	244
3.4.2 Electronic Structure for the Semi-Heusler Alloy NiMnSb	244
3.4.3 The Total and Local Magnetic Moments for NiMnSb Compound	251

3.4.4 Charge- and Spin-Density Maps for NiMnSb Compound	252
--	------------

- **Conclusions**
255
- **References**
259
- **Summary in Arabic**

List of Figures

<i>Figure</i>	<i>Title</i>	<i>Page</i>
Fig.[1.1]:	$C1_b$ and $L2_1$ structures adapted by the half- and full-Heusler alloys. The lattice is consisted of 4 interpenetrating <i>fcc</i> lattices. In the case of the half-Heusler alloys (XYZ) one of the four sub-lattices is vacant. Note also that if all atoms were identical, the lattice would be simply the <i>bcc</i> . In the case of the full-Heusler alloys ($L2_1$ structure) all the sites are occupied, in half-Heusler alloys ($C1_b$ structure) one of the X-sites is unoccupied [<i>Galanakis et al.-2006</i>]	27
Fig.[1.2]:	Left panel: Localized magnetic moments from delocalized electrons. Schematic diagram of up-spin and down-spin <i>d</i> -electrons in Heusler alloys (X_2MnZ) [<i>Kübler et al.-1983</i>]. Right panel: The corresponding non-schematic site and spin projected <i>d</i> -electron density of states for Cu_2MnIn [<i>Şaşıoğlu-2006</i>]	36
Fig.[1.3]:	Left panel: band structure of <i>half-metallic</i> ferromagnet NiMnSb. The horizontal dashed line indicates the Fermi level. Right panel: Atom-resolved density of states (<i>DOS</i>) of NiMnSb. With shaded color we show the <i>DOS</i> of Sb [<i>Şaşıoğlu-2006</i>]	37