

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

الایه

قال تعالى:

(قُلْنَا يَا نَارُ كُونِي بَرْدًا وَسَلَامًا عَلَىٰ إِبْرَاهِيمَ)

الآیه 69

سورة الأنبياء

Dedication

To my mother and father

To my family and my clan

To my teachers

To my colleagues and my female colleagues

To burn candles to illuminate for others

To each of the character has taught me

I dedicate this humble search of Rajya Mawla

Almighty to find acceptance and success

Acknowledgements

Thank God Almighty, Who illuminated the Dark for me, and I opened the doors of science and Omdna patience and will.

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Abstract

The thermal conductivity coefficient has been studied for three types of wires. Pure copper wire, 15cm long copper coated and 50cm long copper coated. In order to compare thermal conductivity for these wires and to recognize the meaning of superconductivity and the effect of temperature on conductivity of conductors and superconductors. The thermal conductivity coefficient has been calculated and the resistivity also has been conducted. The obtained results agree with theoretical consideration.

مستخلص

في هذا البحث تمت دراسة معامل التوصيل الحراري لثلاثة أنواع من الأسلاك. سلك لنحاس نقي و عينة من سلك النحاس المطلي بمادة من اللحام بطول 15 سم وآخر بطول 50 سم. من أجل مقارنة التوصيل الحراري لهذا الأسلاك والتعرف على معنى الموصلية الفائقة وتأثير درجة الحرارة على التوصيل لكل من الموصلات والموصلات الفائقة. وقد تم حساب معامل التوصيل الحراري وأيضا تم حساب المقاومة النوعية. وتتفق النتائج التي تم الحصول عليها مع الفروضيات النظرية .

Table of Contents

	Content	No.pag
	آية من القرآن الكريم	I
	Dedication	II
	Acknowledgement	III
	Abstract	IV
	المستخلص	V
	Table of Content	VI
	List of Tables	VII
	List of Figures	IX
Chapter One: Introduction and literature review		
1.1	Introduction	1
1.2	The Objective of this Research	1
1.3	Research Problem	2
1.4	literature Review	3
1.5	Research Method	3
1.6	Thesis layout	3
Chapter Two: Conductivity		
2.1	Introduction	4
2.2	Electrical conductor's basic information	5
2.3	Definition of conductivity	5
2.4	Band theory of solids:	6
2.4.1	Metals	6
2.4.2	Semiconductors	6
2.4.3	insulators	7
2.5	Resistivity	7
2.6	Temperature Dependence	8
2.7	The Fermi Function	8
2.8	Influence of temperature	9
2.9	Carrier mobility	9
2.10	Energy Gap in Superconductors as a Function of Temperature	10
2.11	Temperature dependence of the superconductor energy gap	11
Chapter Three: Superconductivity		
3.1	Superconductivity	13
3.2	Phenomenology of Superconductivity	13
3.3	Basic properties of the superconducting state	14

3.3.1	Zero resistance	14
3.3.2	Persistent currents	14
3.3.3	Perfect diamagnetism	14
3.3.4	The Meissner effect	15
3.3.5	The Josephson effects	16
3.3.6	Energy gap in the excitation spectrum	17
3.3.7	Proximity effect	17
3.3.8	Isotope effect	17
3.3.9	Vortex State for Superconductors	18
3.4	Characteristics of the superconducting state	19
3.4.1	Critical temperature	19
3.4.2	Order parameter	19
3.4.3	Penetration depth	19
3.4.4	Coherence length and the Cooper-pair size	19
3.4.5	Type-I and type-II superconductors	20
3.4.5.1	Type I Superconductors	20
3.4.5.2	Type II Superconductors	21
3.4.6	Critical magnetic fields	22
3.4.7	Critical current	22
3.5	BCS Theory	22
3.6	Cooper pair	23
3.7	Applications of superconductors	25
Chapter Four methodology and practical		
4.1	Introduction	28
4.2	The Purpose	28
4.3	Equipment and Materials	28
4.3.1	Copper	28
4.3.1.1	Copper is a Metallic element	28
4.3.1.2	Properties of copper	29
4.3.1.3	Physical properties of copper	29
4.3.2	Welding wire	30
4.3.2.1	Welding wire components	30
4.3.2.2	Thickness of the solder wire	31
4.3.2.3	Quality of the welding wire	31
4.3.3	Wheatstone bridge	32
4.4	Theory	32
4.5	The Procedure	33
4.6	Results	34
4.7	Calculations	39
4.8	Discussions	40
4.9	Conclusions	41
	References	42

List of Tables

	Description	No.pag
4.1	A table showing the relationship between the net resistance of copper with the temperature profile	34
4.2	A table showing the relationship between the resistance of Brass file plated layer of weld material a distance of 15 cm with Temperature	34
4.3	A Table Showing the Relationship between the Resistance of Brass File Plated Layer of Weld Material a Distance of 50 cm with Temperature	35

List of Figures

	Description	No.pag
2.1	Energy Band Diagram for (a) Metals (b) Semiconductors and (c) Insulator	4
2.2	Energy Gab for Metals	6
2.3	Energy Gab for Semiconductor	6
2.4	Energy Gap for Insulator	7
2.5	Resistivity as a Function of Temperature	8
2.6	The Relation Between Mobility and Temperature	10
2.7	Energy Gap in Superconductors as a Function of Temperature	11
3.1	Properties of Superconductors	14
3.2	The Meissner Effect	15
3.3	Qualitatively Weak Links (a) of the Type (SIS). (B) of the Type (SNS) where N: is an Extraordinary Film.	16
3.4	Vortex State for Superconduct	18
3.5	Type I Superconductor	20
3.6	Type II Superconductor	21
3.7	Magnetic Field Lines in Type II Superconductors	21
3.8	Classical Description of the Coupling of a Cooper Pair.	23
4.1	The Circuit Diagram	33
4.2	Showing the Relationship between the Net Resistance of Copper with the Temperature Profile	36
4.3	Showing the Relationship between the Resistance of Brass File Plated Layer of Weld Material a Distance of 15cm with Temperature .	37
4.4	Showing the Relationship between the Resistance of Brass File Plated Layer of Weld Material a Distance of 50 cm with Temperature .	38