

الآية

قال تعالى :

يُزْبَرُ (الْحَدِيدِ حَتَّىٰ إِذَا سَاوَىٰ بَيْنَ الصَّدَفَيْنِ قَالَ انْفُخُوا
إِذَا جَعَلَهُ نَارًا قَالَ آتُونِي أُفْرِغْ عَلَيْهِ قِطْرًا)

,,صدق الله العظيم,,

{ سورة الكهف- الآية 96 }

DEDICATION

This research to the great prophet Mohammed

“Peace & prayers be upon him”

Whom we love for their

Encouragement and

Support

Acknowledgement

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Abstract

This study sheds light on the science of materials and types of materials and installation of atomic **bond** and types of **bonds** and solid crystals and the unit cell and metallic crystalline structure, and types of metallic crystalline and conductivity in particular.

The electrical conductivity account for the alloy were manufactured in the blast furnaces of cast iron and copper, and was valued as follows $12.65 \times 10^7 (\Omega \cdot m)^{-1}$ and the result was as predicted.

The aims of study to create material with high electrical conductivity such as materials superconductors but at normal temperature.

المستخلص

هذه الدراسة أُلقت الضوء على علم المواد وأنواع المواد وتركيبها والروابط الذرية وأنواع الروابط والبلورات الصلبة والوحدة الخلية والتركييب المعدني البلوري وأنواعه والموصلية الكهربائية على وجه الخصوص.

وحسبت الموصلية الكهربائية لسبيكة تم تصنيعها في فرن لصهر المعادن من زهر الحديد والنحاس وجاءت قيمتها كالتالي $12.65 \times 10^7 (\Omega.m)^{-1}$ وهذه النتيجة طبقت للدراسات السابقة.

وتهدف هذه الدراسة إلى تصنيع مادة لها موصلية كهربية عالية كالمواد فائقة التوصيل لكن في درجة الحرارة العادية.

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