استمارة مستخلصات رسائل وأطاريح الماجستير والدكتوراه في جامعة البصرة

اسم الطالب: زينب نديم مطشر

الكلية : العلوم

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القسم: الفيزياء

الشهادة: ماجستير

التخصص: بلورات سائلة

عنوان الرسالة أو الأطروحة:

تحضير وتشخيص بعض الخلائط الثنائية البلورية السائلة ودراسة بعض خواصها الفيزيائية

ملخص الرسالة أو الأطروحة:

College: Science Name of student: Zainab Nadeem Mutashar

Dept: Phyics Name of supervisor: Dr. Ayad Jassim Alhajaj

Specialization: Liquid crystal Certificate: Master

Title of Thesis:

Preparation & Characterization of some Binary liquid crystalline mixtures and study some of their physical properties

Abstracts of Thesis:

The thesis composed from four chapters, where Chapter -1 give a brief Historical overview for liquid crystals and how their phases may occurs, then the classification of liquid crystalline phases, and the ways to improve their physical properties, and finally we introduce a review of the most important applications. Chapter- 2 contains two steps, the first is the preparation of some. Schiff base compounds through the interaction of equal Malls from 4- Heptyloxy benzaldehyde with some. Primary amins with different polar groups. The second step was the preparation of five binary liquid crystalline mixtures. Chapter-3 included extensive study of some physical properties for Schiff base compounds and their mixtures such as dielectric constant, Dielectric anisotropy, electrical conductivity etc. Chapter-4 contains a review of the most important conclusions that was obtained in the present thesis.