Reactions of diazonium salts

A THESIS SUBMITTED AS
PARTIAL FULFILLMENT OF REQUIREMENT FOR THE DEGREE OF M.Sc. in Chemistry

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I dedicate this thesis

To my father

To my mother

And

To my fiancée

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الهدف من هذا العمل هو دراسة تفاعلات أملاح الدايزونيوم مع بعض الأمينات الأروماتية، الفينولات وبعض المجموعات الأيونية وتحديد العوامل التي تتحكم في طبيعة النواتج.

وقد اجريت الدراسة لبعض تفاعلات أملاح الدايزونيوم وتم التعرف على نواتج هذه التفاعلات بواسطة الأشعة تحت الحمراء، الأشعة فوق البنفسجية ومقارنة درجات الانصهار.

ABSTRACT
The aim of this research is to study the reactions of some aryl diazonium salts with aryl amines, phenols and some nucleophilic groups and investigate the factors that control the nature of the products.

In this dissertation some samples of the diazonium salts reactions were studied and the result of these experiments were examined by infrared and ultraviolet radiations and comparing the melting points of these products with reported values in literature.