

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

### جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

#### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



## بعض الوثائـــق الإصليــة تالفــة



# بالرسالة صفحات لم ترد بالإصل

624,1

#### Stiffness of Rigid Foundations Resting on Layered Soil

#### By

#### Mohammad Kamal Ahmad Darweesh

B.Sc. Civil Engineering Higher Technological Institute

A Thesis Submitted to the

Faculty of Engineering at Cairo University

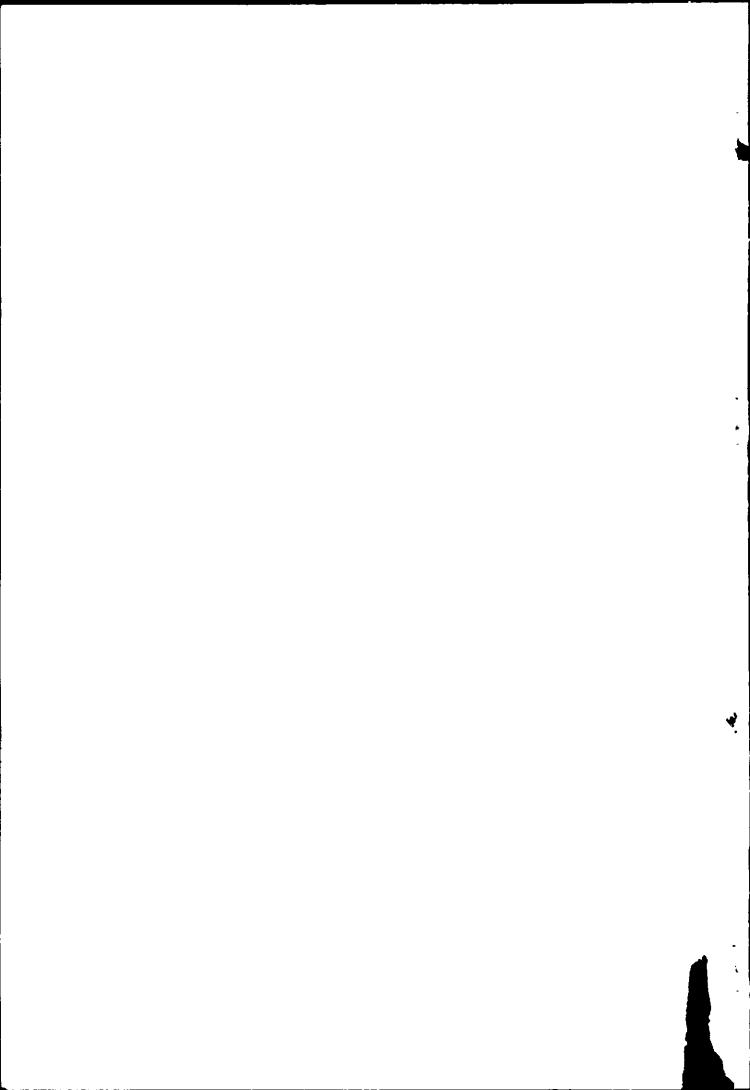
In Partial Fulfillment of the Requirements for the Degree of

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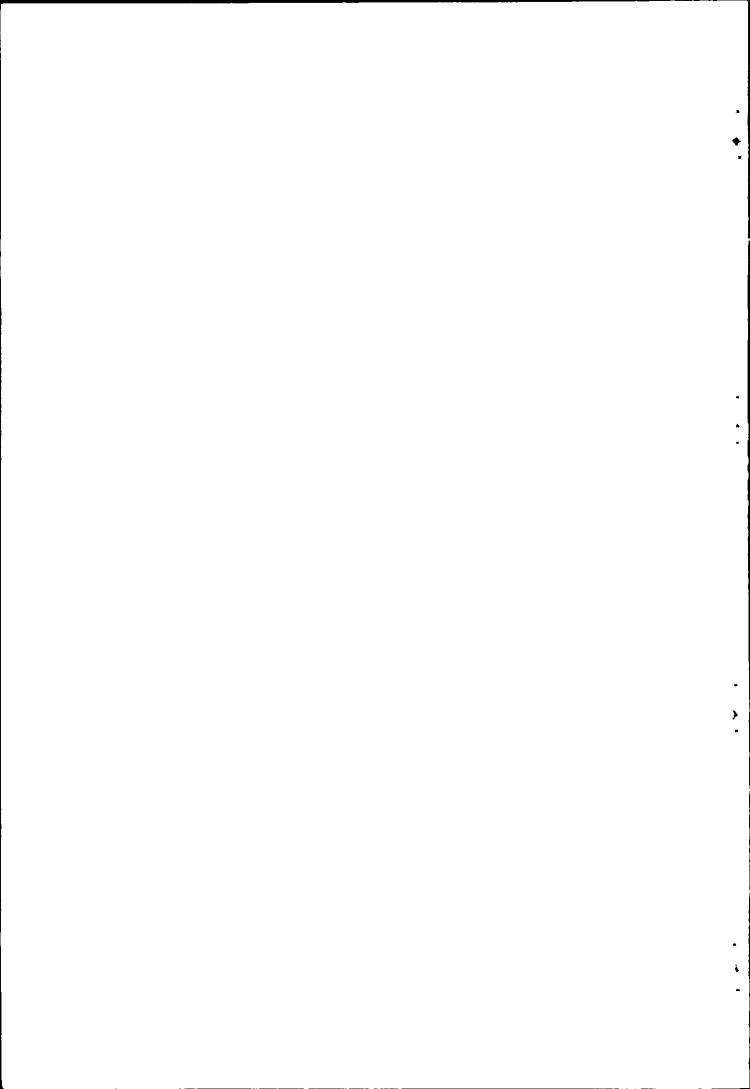
STRUCTURAL ENGINEERING

Under the Supervision of O. Ramadam

Prof. Dr. Osman M. Osman Ramadan

Structural Engineering Department Faculty of Engineering Cairo University

FACULTY OF ENGINEERING, CAIRO UNIVERSITY GIZA, EGYPT



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Approved by the
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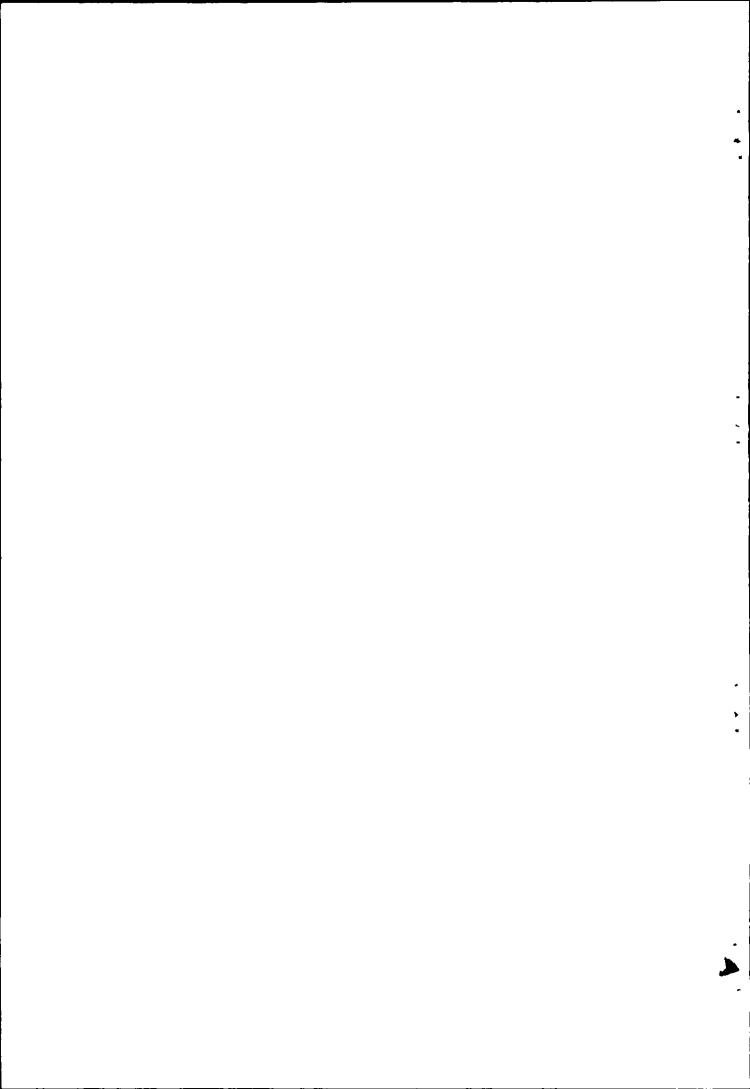
#### Dedication

To my parents and my brothers ...

To my lovely wife and my dear daughter and son ...

To my friends and all good people ...

Great thanks for all of you, for any help through my life.



#### Acknowledgements

Words cannot express how deeply the author is grateful to Prof. Dr. Osman Mohamed Osman Ramadan, professor of structures analysis, Cairo University, for his valuable advices and precious remarks presented in this thesis, and for being patient throughout all the work.

The author wishes to thank Assoc. Prof. Dr. Basuouny El-Garhy, associate professor in geotechnical engineering department, Al-Monifia University, for making a number of papers available.

