Ain Shams University

Faculty of Engineering

Structural Department

APPLICATION OF TOPOLOGY OPTIMIZATION IN DESIGN OF R.C. STRUCTURES USING STRUT-AND-TIE METHOD

A Thesis submitted in partial fulfillment of the requirements of the degree of
Master of Science in Civil Engineering
(Structural Engineering)

By

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Date:08/10/2019

Statement

This thesis is submitted as a partial fulfilment of Master of Science in Civil Engineering (Structural Engineering), Faculty of Engineering, Ain Shams University.

The author carried out the work included in this thesis, and no part of it has been submitted for a degree or a qualification at any other scientific entity.

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Acknowledgement

I would like to express my utmost gratitude, love and thanks to my mother and my wife for their continuous support which inspired me to complete this work. This work would not have been possible without your invaluable encouragement and motivation. I sincerely cannot thank you enough.

I would like to thank my supervisors, Prof. Dr. Fathy Saad and Dr. Khaled Hilal for their assistance, support and guidance throughout this research, I am deeply indebted to you for providing me with the knowledge to finish this work.

My sincere thanks to the staff members of the structural department at the faculty of engineering of Ain Shams University for their assistance and support.

I would like to dedicate this work to my father whose support has always encouraged me through life.

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