



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)

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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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