AIN SHAMS UNIVERSITY

FACULTY OF ENGINEERING

Structural Engineering

Estimation of drag coefficient of various structures using computational fluid dynamics.

A Thesis submitted in partial fulfilment of the requirements of the degree of

Master of Science in Civil Engineering

(Structural Engineering)

By

Nourhan Sayed Fouad

Bachelor of Science in Civil Engineering

(Structural Engineering)

Faculty of Engineering, Ain Shams University, 2012

Supervised By

Dr. Gamal Hussien Mahmoud

Dr. Nasr Eid Nasr

Cairo - (2017)

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Date: 21 March 2017

Statement

This thesis is submitted as a partial fulfilment of Master of Science in Civil 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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