



NUMERICAL INVESTIGATION FOR AIR FLOW AND THERMAL COMFORT IN AN AIR-CONDITIONED OPEN FOOTBALL (SOCCER) STADIUM

By

Eng. Mohammed Sobhi Atiia Shaikhoun

**A Thesis Submitted to the Faculty of
Engineering at Cairo University in Partial
Fulfilment of the Requirements for the
Degree of DOCTOR OF PHILOSOPHY**

In

MECHANICAL POWER ENGINEERING

**FACULTY OF ENGINEERING, CAIRO UNIVERSITY
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Acknowledgment

First, I would like to prostrate and praise to THE ALMIGHTY ALLAH whose blessing, guide, and mercy have been behind whatever success may have been achieved in this work. I am eternally grateful that His blessings have come in the form of family and friends who have supported me in all my endeavours.

I would like to express my sincere appreciation and infinite thanks to **Prof.Dr. Essam E. Khalil** who gave me a great scientific support and guidance to make a progress in my research. Besides, having severe admiration of his gigantic experience and unlimited co-operation and efforts of helping me to introduce this research in the best way.

Also, I would like to express my deep gratitude and thanks to **Dr. Gamal El-Hariry** for his support and distinctive supervision throughout this work.

Special thanks to **Dr. Esmail El-Bialy** for his patience, guidance, valuable advices and kind support throughout the preparation of this thesis.

Finally, I don't forget to give my sincere thanks to my family for their continuous encouragement, support and care during the whole period of preparing the thesis.

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