Dr Fariborz Motallebi

BSc MEng PhD

School of Engineering and Materials Science
Queen Mary University of London
Mile End Road
London E1 4NS

tel: +44 (0)20 7882 5182
email: f.motallebi@qmul.ac.uk web: www.sems.qmul.ac.uk/f.motallebi

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2023

Investigation of the formation and evolution of over-tip shock waves in the pressure-driven tip leakage flow by time-resolved schlieren visualization.
Tang X, Li X, Avital EJ, Saleh ZJ and Motallebi F. *Physics of Fluids vol. 35, (5) 056101-056101.*

Conceptual Design of a UVC-LED Air Purifier to Reduce Airborne Pathogen TransmissionA Feasibility Study.
Kapse S, Rahman D, Avital EJ, Venkatesan N, Smith T, Cantero-Garcia L, Motallebi F, Samad A and Beggs CB. *Fluids vol. 8, (4) 111-111.Mdpi Ag.*

2018

Low Reynolds number proprotor aerodynamic performance improvement using the continuous surface curvature design approach.
AVITAL E, Korakianitis T and MOTALLEBI F. *Aeronautical Journal vol. 123, (1259) 20-38.Cambridge University Press (Cup).*

NASAL INTERNAL AND EXTERNAL AERODYNAMICS FOR HEALTHY AND BLOCKED CAVITIES.
NAYEBOSSADRI S, AVITAL E, MOTALLEBI F and Kenyon G. *Journal of Mechanics in Medicine and Biology vol. 18, (5) 1850050-1850050.World Scientific Publishing.*

2009

An experimental study on the influence of vortex generators on the shock-induced boundary layer separation at M=1.4.
Zare Shahneh A and Motallebi F. *Journal of Applied Mechanics, Transactions Asme vol. 76, (4) 1-8.*

Effect of submerged vortex generators on shock-induced separation in transonic flow.
Shahneh AZ and Motallebi F. *Journal of Aircraft vol. 46, (3) 856-863.*

2008

Introduction to the Queen Mary College 100th anniversary of teaching aeronautics special issue of The Aeronautical Journal.
Motallebi F. *Aeronaut J vol. 112, (1133) IV-IV.*

Influence of the height of the vortex generators in the control of shock-induced separation of the boundary layers.
Cohen GS and Motallebi F. *Aeronautical Journal vol. 112, (1133) 415-420.*

2006

Sub boundary-layer vortex generators for the control of shock induced separation.
Cohen GS and Motallebi F. *Aeronaut J vol. 110, (1106) 215-226.*

2004

Advanced bobsleigh design. Part 1: Body protection, injury prevention and performance improvement.
Dabnichki P, Motallebi F and Avital E. *Proceedings of The Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications vol. 218, (2) 129-137.*

Advanced bobsleigh design. Part 2: aerodynamic modifications to a two-man bobsleigh.
Motallebi F, Dabnichki P and Luck D. *P I Mech Eng L-J Mat vol. 218, (L2) 139-144.*

Advanced bobsleigh design. Part 1: body protection, injury prevention and performance improvement.
Dabnichki P, Motallebi F and Avital E. *P I Mech Eng L-J Mat vol. 218, (L2) 129-137.*

2001

Influence of boundary-layer thickness on base pressure and vortex shedding frequency.
Rowe A, Fry ALA and Motallebi F. *Aiaa J vol. 39, (4) 754-756.*

Influence of boundary-layer thickness on base pressure and vortex shedding frequency.
Rowe A, Fry ALA and Motallebi F. *Aiaa Journal vol. 39, 754-756.American Institute of Aeronautics and Astronautics (Aiaa).*

2000

Some observations on the relaminarisation of a supersonic turbulent boundary layer.
Cohen GS, Motallebi F and Horton HP. *Aeronaut J vol. 104, (1041) 557-559.*

1996

Reynolds number effects on the prediction of velocity profile in compressible flows.
Motallebi F. *Aiaa J vol. 34, (4) 870-873.*

Reynolds number effects on the prediction of mean flow data for adiabatic 2-D compressible boundary layers.
Motallebi F. *Aeronaut J vol. 100, (992) 53-59.*

1994

MEAN FLOW STUDY OF 2-DIMENSIONAL SUBSONIC TURBULENT BOUNDARY-LAYERS.
MOTALLEBI F. *Aiaa J vol. 32, (11) 2153-2161.*

SKIN FRICTION AND VELOCITY PROFILE FAMILY FOR COMPRESSIBLE TURBULENT BOUNDARY-LAYERS - COMMENT.
MOTALLEBI F. *Aiaa J vol. 32, (9) 1938-1938.*

A REVIEW OF THE HOT-WIRE TECHNIQUE IN 2-D COMPRESSIBLE FLOWS.
MOTALLEBI F. *Prog Aerosp Sci vol. 30, (3) 267-294.*

1981

The effect of base bleed on vortex shedding and base pressure in compressible flow.
Motallebi F and Norbury JF. *Journal of Fluid Mechanics vol. 110, 273-292.Cambridge University Press (Cup).*