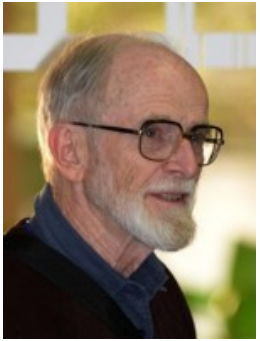


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F^{low Research Unit}

The Unit was established in 1990 with a primary interest in the study of compressible flows, particularly relating to unsteady wave dynamics and supersonic flows.

Research Interests

Shock and expansion waves, Gas Dynamics, Flow visualisation.

Publications

Mohamed I, Skews BW.

Expansion wave diffraction over a 90 degree corner

ISBN: 0022-1120, Journal: *J. Fluid Mech.* 757, 649-664

- Year: 2014

Rubidge S, Skews B

Shear layer instability in the Mach reflection of shock waves

ISBN: 0938-1287, Journal: *Shock Waves*, 24, 479-488

- Year: 2014

Naidoo K, Skews BW

Dynamic transition from Mach to regular reflection of shock waves in a steady flow

ISBN: 0022-1120, Journal: *J. Fluid Mech.*, 750, 385-400

- Year: 2014

Dowse J, Skews B

Area change effects on shock wave propagation

ISBN: 0938-1287, Journal: Shock Waves, 24, 365-373

- Year: 2014

Law C, Muritala AO, Skews BW

Unsteady flow with separation behind a shock wave diffracting over curved walls

ISBN: 0938-1287, Journal: Shock Waves, 24, 283-294

- Year: 2014

Kleine H, Timofeev E, Hakkaki-Fard A, Skews B

The influence of viscosity on the triple point trajectories at shock reflection off cylindrical surfaces

ISBN: 0022-1120, Journal: J.Fluid Mech. 740, 47-60

- Year: 2014

Gruber S, Skews BW

Weak shock wave reflection from concave surfaces

ISBN: 0723-4864, Journal: Experiments in Fluids, 54, 1571

- Year: 2013

Krassnokutski A, Moss EA, Skews BW

An Experimental Study of Highly Transient Squeeze-Film Flows

ISBN: 1070-6631, Journal: Phys. Fluids. 25, 063102

- Year: 2013

Nash J, Skews B

A shock tube driven transonic wind tunnel

ISBN: 0257-9669, Journal: R&D Journal, 29, 1-10

- Year: 2013

Mohan JA, Skews BW

Three-dimensional supersonic internal flows

ISBN: 0938-1287, Journal: Shock Waves, 23, 513-524, 2013

- Year: 2013

Paton R, Skews BW, Rubidge S, Snow J

Imploding conical shock waves

ISBN: 0938-1287, Journal: Shock Waves, 23, 317-324

- Year: 2013

Reeves JO, Skews BW

Unsteady three-dimensional compressible vortex flows

ISBN: 0938-1287, Journal: Shock Waves, 22, 161-172

- Year: 2012

Cachucho A, Skews BW

Guderley reflection for higher Mach numbers in a standard shock tube

ISBN: 0938-1287, Journal: Shock Waves, 22, 141-149

- Year: 2012

Skews BW, Law C, Muritala A, Bode S

Shear layer behaviour resulting from shock wave diffraction

ISBN: 0723-4864, Journal: Experiments in Fluids, 52, 417-424

- Year: 2012

Naidoo P, Skews BW

Supersonic viscous corner flows

ISBN: 0954-4100, Journal: J. Aero. Eng. 226, 950-965

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