

Curriculum Vitae

Personalia

Veronica Eliasson
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Date of birth: 1978 03 29
City of birth: Sundsvall, Sweden
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Education

09/2007	Ph.D., KTH Mechanics, Stockholm.
12/2005	Tekn. Lic., KTH Mechanics, Stockholm.
08/1998-12/2002	M.Sc., Vehicle Engineering, KTH, Stockholm.

Teaching

04/2003-06/2006

Responsible for Laboratory Exercises:

- Shock tube flow
- Pressure distribution on a biconvex airfoil in supersonic flow

Laboratory Exercises:

- Adverse Pressure Gradient

Teaching:

- Mechanics Base Course
- Insights in Mechanics
- Linear Algebra and calculus in one and several variables.

08/2001-12/2001

Publications

- | | |
|------|---|
| 2007 | Doctoral Thesis, On focusing of shock waves, ISRN KTH/MEK/TR-07/06-SE. |
| 2007 | <i>Eliasson V., Henshaw W.D. & Appelö D.</i>
On cylindrically converging shock waves shaped by obstacles.
Accepted for publication <i>Proceedings of EE250, July 18–23, Aussois, France</i> . |
| 2007 | <i>Eliasson V., Tillmark N., Szeri A.J. & Apazidis N.</i>
Light emission during shock wave focusing in air and argon.
<i>Physics of Fluids</i> , 19 106106. |
| 2007 | <i>Eliasson V., Kjellander M. & Apazidis N.</i>
Regular versus Mach reflection for converging polygonal shocks.
<i>Shock waves</i> , 17 43–50. |
| 2007 | <i>Eliasson V., Apazidis N. & Tillmark N.</i>
Controlling the Form of Strong Converging Shocks by Means of Disturbances.
<i>Shock waves</i> , 17 29–42. |
| 2006 | <i>Eliasson V., Apazidis N. & Tillmark N.</i>
Shaping Converging Shock Waves by Means of Obstacles.
<i>Journal of Visualization</i> , 9 No. 3, 240. |

- 2006 *Eliasson V., Apazidis N., Tillmark N. & Lesser M.*
Focusing of strong shocks in an annular shock tube.
Shock waves **15** 205-217.
- 2006 *Eliasson V.*
The Production of Converging Polygonal Shock Waves by Means
of Reflectors and Cylindrical Obstacles.
AIP Conference Proceedings (2006) Vol. 832, pp. 445-449, The
Second Conference of Flow Dynamics, 16-18 Nov 2005, Sendai,
Japan
- 2005 Licentiate Thesis, On Focusing of Strong Shocks, ISRN
KTH/MEK/TR-05/16-SE.
- 2002 MSc Thesis: Parametric Study of BWR Assembly Stability using
Frequency Domain Approach and MONA Code, an internal report
at Westinghouse.

Invited Talks

- 2005 Kyoto University, Japan.
- 2006 University of California, Berkeley, USA.
- 2007 California Institute of Technology, GALCIT seminar series, USA.

Awards

- 2006 "Young Scientist Award" for best oral presentation, European
Fluid Mechanics Conference, EFMC6, KTH, Stockholm, June 26-
30 2006.
- 2007 VSJ-SGI Award for Excellent Visualized Image.

Scholarships

- 2005 Stiftelsen Lars Hiertas Minne - 11 000 SEK.
- 2005 21st Century COE of Flow Dynamics - 10 000 SEK.
- 2006 Fonden för Erik Petersohns Minne - 11 000 SEK.
- 2006-2007 Bengt Ingeströms Stipendiefond - 60 000 SEK.
- 2006-2007 Helge Ax:son Johnsons Stiftelse - 50 000 SEK.
- 2007 Fonden för Erik Petersohns Minne - 15 000 SEK.

Computer Experience

- OS: UNIX, Linux, Windows, Mac
- Languages: JAVA, MATLAB, Fortran, C, C++, HTML, PHP, MySQL
- Applications: CLAWPack, Overture, LaTeX, Emacs, Maple, Office, Adobe Pho-
toshop, Adobe Illustrator.

Society Membership

APS

Professional Activities

Reviewer for: *Journal of Visualization*

References

Available upon request.