

PUBLICATIONS
(Mehmet Şerif Kavsaoglu)

INTERNATIONAL JOURNALS:

1. KAVSAOĞLU M., SCHETZ J. A., "Effects of Swirl and High Turbulence on a Jet in a Crossflow", Journal of Aircraft, vol. 26, no. 6, June 1989.
2. KAVSAOĞLU M., SCHETZ J. A., JAKUBOWSKI A. K., "Rectangular Jets in a Crossflow", Journal of Aircraft, vol. 26, no. 9, September 1989.
3. KAVSAOĞLU M. Ş., KAYNAK Ü., and VAN DALSEM, W. R., "Three Dimensional Application of the Johnson King Turbulence Model For a Boundary Layer Direct Method", Computers and Fluids, vol. 19, No. 3/4, pp. 363-376, 1991.
4. YILMAZ E., KAVSAOĞLU M. Ş., "Euler Solution of Axisymmetric Jets in Supersonic External Flow", Journal of Spacecraft and Rockets, Vol. 35, No. 1, January-February 1998.
5. DURMUŞ G., KAVSAOĞLU M. Ş., "Marching Distance Functions For Smooth Control of Hyperbolic Grids", AIAA Journal, vol 38, No: 10, October 2000.
6. YILMAZ E., KAVSAOĞLU M. Ş., AKAY H. U., AKMANDOR İ. S., "Cell-Vertex Based Parallel and Adaptive Explicit 3D Flow Solution on Unstructured Grids", International Journal of Computational Fluid Dynamics (IJCFD), Volume: 14, Issue: 4, pp. 271-286, July 2001.
7. GÖĞÜŞ Y. A., ÇAMDALI Ü., KAVSAOĞLU M. Ş., "Exergy Balance of a General System with Variation of Environmental Conditions and Some Applications", ENERGY (Elsevier), volume: 27, no: 7, July 2002.
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10. TARHAN E., KAVSAOĞLU M. Ş., "Parallel Overset-Grid Euler Solution of Generic Wing Pylon and Finned Store", Journal of Aircraft, vol. 42, No. 5, September-October 2005.

EDITOR OF A BOOK:

Title: Verification and Validation Data for Computational Unsteady Aerodynamics
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INTERNATIONAL CONFERENCE AND SYMPOSIUMS:

1. KAVSAOĞLU M., SCHETZ J. A., JAKUBOWSKI A. K., "Dual Rectangular Jets From a Flat Plate in a Crossflow", AIAA Paper 86-0477, AIAA 24th Aerospace Sciences Meeting, January 6-9, 1986, Reno, Nevada, U.S.A.
2. KAVSAOĞLU M. Ş., KAYNAK Ü., and VAN DALSEM, W. R., "Three Dimensional Application of the Johnson King Turbulence Model For a Boundary Layer Direct Method", International Symposium on Computational Fluid Dynamics (ISCFD), Nagoya, Japan, August 28-31, 1989.
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4. KAVSAOĞLU M., AKMANDOR S., ÇIRAY S., FUJII K., "Navier-Stokes Simulation of Two and Three Dimensional Jets in Crossflow", AIAA Paper 91-1743, AIAA 22nd Fluid Dynamics, Plasmadynamics, and Lasers Conference, June 24-24, Honolulu, Hawaii, U.S.A.
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- 96-7.10.1, 20th Congress of the International Council of the Aeronautical Sciences, September 8-13, 1996, Sorrento, Napoli, Italy.
9. YILMAZ E., KAVSAOĞLU M. Ş., “Numerical Solution of Axisymmetric Jet Plume Coupled with External Freestream”, ICAS-96-7.10.4 20th Congress of the International Council of the Aeronautical Sciences, September 8-13, 1996, Sorrento, Napoli, Italy.
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 11. ERTUNÇ Ö., KAVSAOĞLU M. Ş., AKAY H.U., AÇIKMEŞE A. B., “Parallel Euler Solutions For a Supercritical Airfoil in Unsteady Compressible Flow”, UNCONF’97, First International Conference on Unconventional Flight, October 13-15, 1997, Technical University of Budapest, Department of Aircraft and Ships, Budapest, Hungary.
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 13. DURMUŞ G., KAVSAOĞLU M. Ş., “Control of Hyperbolic Grids”, AIA ’98 – Proceedings of the 2nd Ankara International Aerospace Conference, 9-11 September 1998, Middle East Technical University, Ankara, Turkey, pp. 120-124.
 14. DOĞRUSÖZ S., KAVSAOĞLU M. Ş., “Euler Solution of a Hypersonic Compression Corner Flow”, AIA ’98 – Proceedings of the 2nd Ankara International Aerospace Conference, 9-11 September 1998, Middle East Technical University, Ankara, Turkey, pp. 419-425.
 15. YILMAZ E. KAVSAOĞLU M. Ş., “Parallel Adaptive Flow Solution on Unstructured Meshes”, Paralel CFD Workshop – Experiences in Implementation, June 16-18, 1999 Istanbul Technical University, Faculty of Aeronautics and Astronautics, Istanbul, Turkey.
 16. OKAN A., TEKİNALP O., KAVSAOĞLU M. Ş., ARMUTÇUOĞLU Ö., TULUNAY E., “Flight Mechanics Analysis of a Tilt Rotor UAV”, AIAA Atmospheric Flight Mechanics Conference and Exhibit, August 9-11, 1999 / Portland, OR, USA.
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20. DOĞRUSÖZ Ş., KAVSAOĞLU M. Ş., KAYNAK Ü., “Numerical Solution of Hypersonic Compression Corner Flows”, 10th AIAA/NAL-NASDA-ISAS International Space Planes and Hypersonic Systems and Technologies Conference, April 24-27, 2001, Kyoto, Japan. AIAA Paper No: 2001-1750.
21. OYSAL T., KAVSAOĞLU M. Ş., “A Flight Simulation Software for Flight Mechanics Education”, AIAA Atmospheric Flight Mechanics Conference, 6-9 August 2001, Montreal, Canada. AIAA Paper No: 2001-4309.
22. OKAN A., TEKİNALP O., KAVSAOĞLU M. Ş., “Flight Control of a Tilt Duct VTOL UAV”, AIAA 1st Unmanned Aerospace Vehicles, Systems, Technologies, and Operations Conference, Portsmouth, Virginia 20 - 23 May 2002, AIAA Paper No: 2002-3466
23. DURMUŞ G., KAVSAOĞLU M. Ş., “Multi Block Navier Stokes Solutions of Low Aspect Ratio Rectangular Flat Wings in Compressible Flow”, in proceedings of the 23rd International Congress of Aeronautical Sciences, Toronto, Canada, 8-13 September, 2002.
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27. DURMUŞ G., KAVSAOĞLU M. Ş., KAYNAK Ü., “Parallel Solution of Low Aspect Ratio Rectangular Flat Wings in Compressible Flow”, 43rd AIAA Aerospace Sciences Meeting and Exhibit, 10-13 January 2005, Reno, Nevada, USA, AIAA Paper No: 2005-1224.

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31. ÖZDEMİR U., JAFAROV E. M., KAVSAOĞLU M. Ş., “Calculation of the Longitudinal Stability Derivatives of a Transport Aircraft and Analysis of Longitudinal Modes”, 9th WSEAS International Conference on Automatic Control, Modeling and Simulation, May 27-29, 2007, Istanbul, Turkey.
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34. ERTEKİN Arzu, KAVSAOĞLU Mehmet Ş., “Human Factors in Aircraft Maintenance”, 4th Ankara International Aerospace Conference, 10-12 September, 2007, Middle East Technical University, Ankara, Turkey, AIAC-2007-081.
35. ABDULHAMİTBİLAL Erkan, JAFAROV E. M., KAVSAOĞLU M. Ş., “Matlab-Simulink Nonlinear Modeling and Simulation of Aircraft Longitudinal Dynamics”, 6th EUROSIM Conference on Modeling and Simulation, 9-13 September 2007, Ljubljana, Slovenia.

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"Subsonic Wind Tunnels", Prof. Dr. M. Zeki ERİM, Y. Müh. Veysel ATLI, Müh. Mehmet KAVSAOĞLU, 1979 (in Turkish).
2. MSc Thesis:

"Investigation of the Flow Around Axisymmetric Bodies",
Supervisor: Prof. Dr. M. Zeki ERİM.
İstanbul Technical University, Faculty of Mechanical Engineering, MSc Thesis
No: 89, January 1981 (in Turkish).

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Virginia Polytechnic Institute and State University, Department of Aerospace and Ocean Engineering, December 1986, Blacksburg, Virginia, U.S.A.
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20. TARHAN Erhan, AYDIN Ahmet, KAVSAOĞLU Mehmet Şerif, GÖĞÜŞ Yalçın, "Numerical Solution of Three Dimensional Droplet Combustion in a Laminar, Incompressible Medium", 10 th National Heat Science and Technique Congress

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25. KAVSAOĐLU Mehmet Ő., KAHYAOĐLU Gũnay, “ATA-5 Projesi Kapsamında Bir Adet İnsansız Hava Aracının Tasarım ve Őretim alıŐmaları” (Design and Production of an Unmanned Air Vehicle within ATA-5 Project), Kayseri 5. Havacılık Sempozyumu (5th Kayseri Aeronautical Symposium), 13-14 May 2004, Kayseri, Turkey (in Turkish).
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