

1 Articles in Journals and Books

1. M. Raffel, H. Richard, K. Ehrenfried, B.G. van der Wall, C. Burley, P. Beaumier, K. McAlister, K. Pengel
Recording and Evaluation Methods of PIV Investigations on a Helicopter Rotor Model
Experiments in Fluids, Vol. 36, no. 1, 2004, pp. 146-156; Erratum in: Vol. 40, no. 4, 2006, pp. 665
2. B.G. van der Wall, C.L. Burley, Y.H. Yu, K. Pengel, P. Beaumier
The HART II Test - Measurement of Helicopter Rotor Wakes
Aerospace Science and Technology, Vol. 8, no. 4, 2004, pp. 273-284
3. O. Schneider
Analysis of SPR Measurements of HART II
Aerospace Science and Technology, Vol. 9, no. 5, 2005, pp. 409-420
4. D. Blackmore, E. Krause, C. Tung
Vortex dominated Flows, A Volume Celebrating Lu Tings's 80th Birthday
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5. B.G. van der Wall, H. Richard
Analysis Methodology for 3C PIV Data of Rotary Wing Vortices
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6. H. Richard, B.G. van der Wall, M. Raffel
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7. G. Bernardini, J. Serafini, S. Ianniello, M. Gennaretti
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8. J.W. Lim, T.A. Nygaard, R. Strawn, M. Potsdam
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9. M. Dietz, M. Keßler, E. Krämer, S. Wagner
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10. G. Perez, J. Bailly, G. Rahier
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12. M. Embacher, M. Keßler, F. Bensing, E. Krämer
Numerical Simulation of Helicopter Aeromechanics in Slow Descent Flight
in: W.E. Nagel, D.B. Kröner, M.M. Resch: High Performance Computing in Science and Engineering '08, 2009,
pp. 395-410
13. Y. Mauffrey, G. Rahier, J. Prieur
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14. J.H. Sa, J.W. Kim, S.H. Park, J.S. Park, S.N. Jung, Y.H. Yu
KFLOW Results of Airloads on HART-II Rotor Blades with Prescribed Blade Deformation
International Journal of Aeronautical & Space Sciences, Vol. 10, no. 2, 2009, pp. 52-62
15. B.-Y. Min, L. Sankar
Hybrid Navier-Stokes/Free-Wake Method for Modeling Blade-Vortex Interactions
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16. A.A. Kumar, S.R. Viswamurthy, R. Ganguli
Correlation of helicopter rotor aeroelastic response with HART-II wind tunnel test data
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17. J.-S. Park, S.N. Jung, S.H. Park, Y.H. Yu
Correlation study of a rotor in descending flight using DYMORE with a freewake model
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18. B.G. van der Wall
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20. M. Kelly, R. Brown
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22. B.G. van der Wall
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26. M.J. Bhagwat, M. Ramasamy
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28. B.G. van der Wall, J.W. Lim, M.J. Smith, S.N. Jung, J. Bailly, J.D. Baeder, D.D. Boyd
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29. M.J. Smith, J.W. Lim, B.G. van der Wall, J.D. Baeder, R.T. Biedron, D.D. Boyd, B. Jayaraman, S.N. Jung, B.-Y. Min
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A CFD-CSD coupled-analysis of HART-II rotor vibration reduction using gurney flaps
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Aerospace Science and Technology, Vol. 63, 2017, pp. 18-32
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52. L. Wang, B. Diskin, R.T. Biedron, E.J. Nielsen, O.A. Bauchau
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58. Y. Hong, D. Lee, K. Yee, S.H. Park
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59. G. Wilke, J. Bailly, K. Kimura, Y. Tanabe
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2 Conference papers

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2. Y.H. Yu, C. Tung, B.G. van der Wall, H.-J. Pausder, C.L. Burley, T.F. Brooks, P. Beaumier, Y. Delrieux, E. Mercker, K. Pengel
The HART-II Test: Rotor Wakes and Aeroacoustics with Higher-Harmonic Pitch Control (HHC) Inputs - The Joint German/French/Dutch/US Project -
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11th International Symposium on Laser Applications to Fluid Mechanics, Lissabon, Portugal, 2002
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5. B.G. van der Wall, B. Junker, C.L. Burley, T.F. Brooks, Y.H. Yu, C. Tung, M. Raffel, H. Richard, W. Wagner, E. Mercker, K. Pengel, H. Holthusen, P. Beaumier, Y. Delrieux
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8. O. Schneider, B.G. van der Wall, K. Pengel
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9. O. Schneider, B.G. van der Wall
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29th European Rotorcraft Forum, Friedrichshafen, Germany, 2003
10. J.W. Lim, C. Tung, Y.H. Yu, C.L. Burley, T.F. Brooks, D. Boyd, B.G. van der Wall, O. Schneider, H. Richard, M. Raffel, P. Beaumier, Y. Delrieux, K. Pengel, E. Mercker
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61st Annual Forum of the AHS, Grapevine, TX, USA, 2005 (Cheeseman Award)
12. J.W. Lim, B.G. van der Wall
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61st Annual Forum of the AHS, Grapevine, TX, USA, 2005
13. J. Ebling, G. Scheuermann, B.G. van der Wall
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14. A. Wiebel, C. Garth, G. Scheuermann
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12th AIAA/CEAS Aeroacoustics Conference, paper AIAA-2006-2606, Cambridge, MA, USA, 2006
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Tip vortex conservation on a main rotor in slow descent flight using vortex-adapted Chimera grids
24th AIAA Applied Aerodynamics Conference, paper AIAA-2006-3478, San Francisco, CA, USA, 2006
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17th International Conference on the Application of Computer Science and Mathematics in Architecture and Civil Engineering, Weimar, Germany, 2006
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Using the HART II Data Base to Improve BVI Noise Prediction
32nd European Rotorcraft Forum, Maastricht, Netherlands, 2006
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32nd European Rotorcraft Forum, Maastricht, Netherlands, 2006
30. H. Richard, B.G. van der Wall, M. Raffel, M. Thimm
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32. B.G. van der Wall, O. Schneider
Conditional Averaging Methodology for Periodic Data with Time Jitter and Spatial Scatter
33rd European Rotorcraft Forum, Kazan, Russia, 2007
33. Y. Tanabe, S. Saito
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33rd European Rotorcraft Forum, Kazan, Russia, 2007

34. B.G. van der Wall, J. Yin
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1st International Forum on Rotorcraft Multidisciplinary Technology, Seoul, Korea, 2007
35. O. Schneider, B.G. van der Wall
Comparison of Simple and Conditional Averaging Methodology Based on Results of the HART II Wind Tunnel Test
1st International Forum on Rotorcraft Multidisciplinary Technology, Seoul, Korea, 2007
36. J. Prieur
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1st International Forum on Rotorcraft Multidisciplinary Technology, Seoul, Korea, 2007
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Efficient Prediction of BVI Noise Using Euler Solver with Wake Model
1st International Forum on Rotorcraft Multidisciplinary Technology, Seoul, Korea, 2007
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39. M.E. Kelly, K. Duraisamy, R.E. Brown
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An Assessment of Rotor Dynamics Correlation for Descending Flight Using CFD/CSD Coupled Analysis
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41. K. Collins, J. Bain, N. Rajmohan, L. Sankar, T.A. Egolf, R.D. Janakiram, K. Brentner, L. Lopes
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15th ICCES Conference, Honolulu, Hawaii, USA, 2008
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26th AIAA Applied Aerodynamics Conference, paper AIAA-2008-7341, Honolulu, Hawaii, USA, 2008
44. S. Ananthan, J.D. Baeder, J. Sitaraman, S. Hahn, G. Iaccarino
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26th AIAA Applied Aerodynamics Conference, paper AIAA-2008-7339, Honolulu, Hawaii, USA, 2008
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34th European Rotorcraft Forum, Liverpool, UK, 2008
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Blade-Vortex Interaction Capture by CFD
34th European Rotorcraft Forum, Liverpool, UK, 2008
48. M.E. Kelly, R.E. Brown
Predicting the Wake Structure of the HART II rotor using the Vorticity Transport Model
34th European Rotorcraft Forum, Liverpool, UK, 2008
49. H.-K- Lee, S.-H. Yoon, J.S. Kwak, S.J. Shin, C. Kim
Coupled Analysis between CFD and CSD for a Helicopter Rotor in Hover and Forward Flight
50th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, paper AIAA-2009-2322, Palm Springs, CA, USA, 2009

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51. B.G. van der Wall
The Data Base of the HART II International Workshop
ICEAE 2009 Conference, Bangalore, India, 2009
52. B.G. van der Wall, J. Yin
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65th Annual Forum of the AHS, Grapevine, TX, USA, 2009
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65th Annual Forum of the AHS, Grapevine, TX, USA, 2009
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