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Head of Institute: Univ.-Prof. Dr.-Ing. P. Jeschke  
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## License Agreement

for the  
CFD Test Case

*1 ½ stage axial flow turbine*

*„Aachen Turbine“*

The test data of this test case were generated by Dr.-Ing. Jürgen Zeschky, Dr.-Ing. Ralf Walraevens, Dr.-Ing. Bruno Stephan and Dr.-Ing. Ulf Reinmöller within their doctorate projects under the scientific supervision of Prof. Dr.-Ing. Dr. h.c. H.E. Gallus at the Institute of Jet Propulsion and Turbomachinery (IST) of RWTH Aachen University, Germany.

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The test case "Aachen Turbine" is open to everyone, who wants to use the data base for CFD validation. The provider of the test case highly appreciates to share results, experience and other useful information among the group of users and encourages all users to participate in that sense. Joint publications are welcome.

By signing this license agreement the licensee accepts:

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- to cite in every publication (or in any other form of communication) the source and origin of his information, i.e. naming the authors and the institute. If the test case is used in any form of publication, the relevant publications below must be cited. Furthermore, the origin of the data base must be mentioned as follows: "The measurements on the test case "Aachen Turbine" were carried out at the Institute of Jet Propulsion and Turbomachinery at RWTH Aachen University, Germany.
- to give feedback to the Institute of Jet Propulsion and Turbomachinery at RWTH Aachen University how the provided information was used in his R&D work. Participation to the potential workshops and inclusion of these results in the data base are solicited and welcome.

**Relevant publications of the test case:**

- [1] Volmar, T., Brouillet, B, Benetschik, H., Gallus, H.E.:  
Test Case 6: 1-1/2 Stage Axial Flow Turbine - Unsteady Computation, in:  
ERCOFTAC Turbomachinery Seminar and Workshop. (1998)
  
- [2] Walraevens, R., Gallus, H.E.:  
Testcase 6: 1-1/2 Stage Axial Flow Turbine. (1997)
  
- [3] Gallus, H.E.:  
ERCOFTAC Test Case 6 Axial Flow Turbine Stage, in:  
Seminar and Workshop on 3D Turbomachinery flow prediction III, Les Arcs,  
France. (1995)

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CFD Test Case 1 ½ stage axial turbine “Aachen Turbine” of RWTH Aachen University

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