

# Atmosphere Model for Flight Simulation



## Project Atmosphere Model

The Atmosphere Model is a software component to be integrated in flight simulators. It allows the simulation of a realistic and adjustable atmosphere. The Atmosphere Model comprises various modules which represent weather phenomena in the atmosphere:

- Temperature-, pressure - and density distribution
- Wind
- Turbulence
- Microburst
- Wake turbulence

The Atmosphere Model provides a simple and clear user interface, allowing the simulation of different weather scenarios for pilot training or research.

The Atmosphere Model shall be implemented and tested in the reasearch flight simulator at Graz University of Technology.

## Video Demonstrations:

[http://youtu.be/-pl\\_WYJKtLc](http://youtu.be/-pl_WYJKtLc)

<http://youtu.be/L7jDzK5Ob6M>

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