

# Engine data reduction

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At Saab we have a desktop simulator, ARES, for flight dynamical simulations. Among other models it uses an engine model with static data that is interpolated linearly.

With time, and increasing demands for accuracy, the data set has become too large to handle smoothly.

The problem is to find a good methodology for reduction without distorting the data too much.

As the true engine data is secret, we provide example data from an engine research project at Chalmers instead.

## Saab Aeronautics

Aeronautics is an innovative supplier of world-class aircraft systems, advanced aerostructures and a wide range of support solutions within civil and military aviation. The business area is not only engaged in research, development and production of military aircraft systems, but also conducts studies as preparation for future manned and unmanned aircraft systems. Aeronautics is also one of Saab's business areas that is a partner in the Future Combat Air System programme (FCAS). Close collaborations with other world-leading entities, both large and small, is a success factor.

