Komponenter i "Edge light"

Edge preprocessor

- Dual grid calculation

- Agglomeration

- Partitioning using Metis for parallel calculations

- Calculation of wall distances

- Specification of laminar areas

- Reordering of nodes and edges for efficient calculations

Flow solver:

- All turbulence models for RANS, RANS/LES, LES

- Ideal and thermally perfect gases, mixing of gases

- Flow control models for partially resolved VG's

- Calculation in rotating frame of reference

- Calculations with prescribed maneuvers

- Aeroelastic calculations with linear modal structural solver

- Aerothermal calculations

- Actuator disk model

- Explicit time integration with global and local time steps

- Dual time stepping

- Multigrid

- Low speed preconditioning

- Central discretization schemes with artificial dissipation

- Upwind flux difference splitting schemes

Conversion programs exporting and importing to different file formats

Conversion programs for postprocessing

Mesh deformation programs

Help programs for aeroelastic calculations

All documentation of Edge