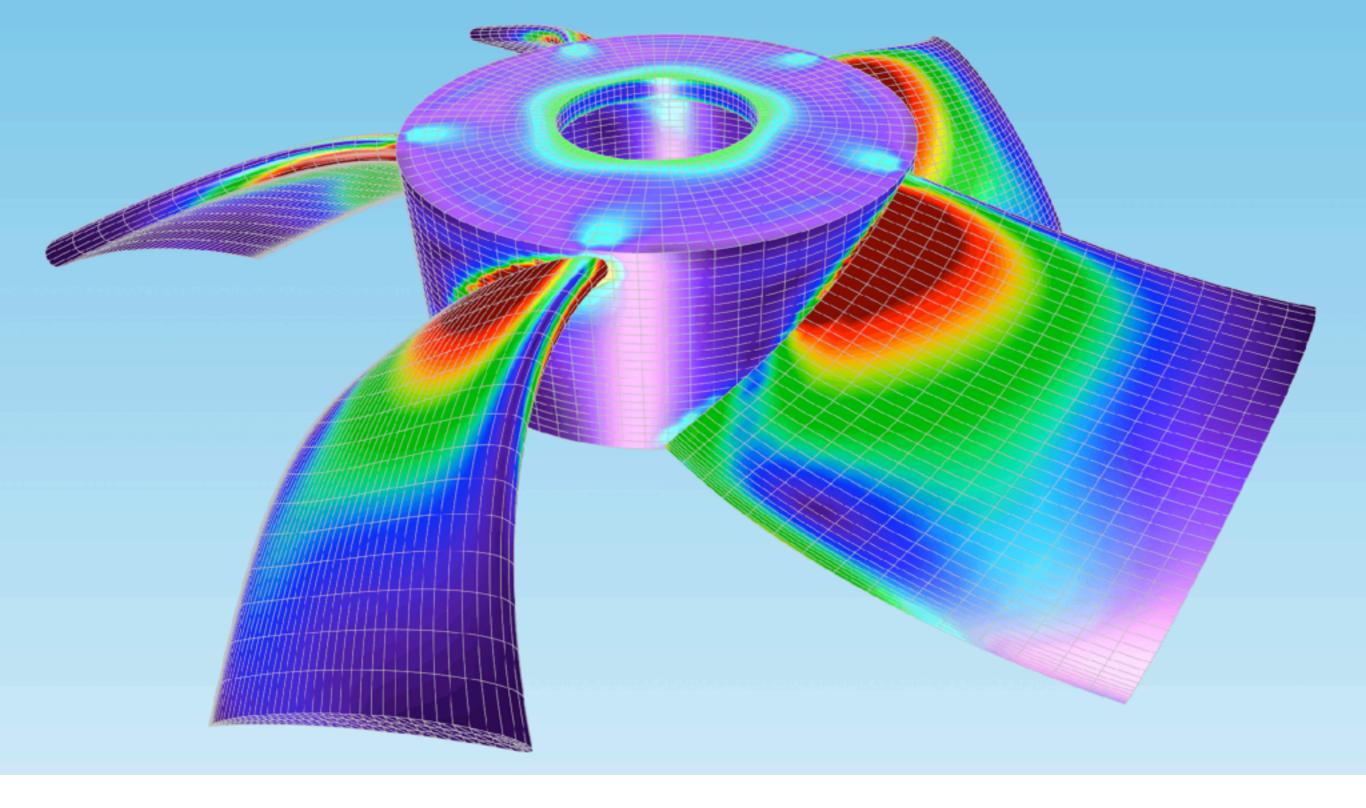
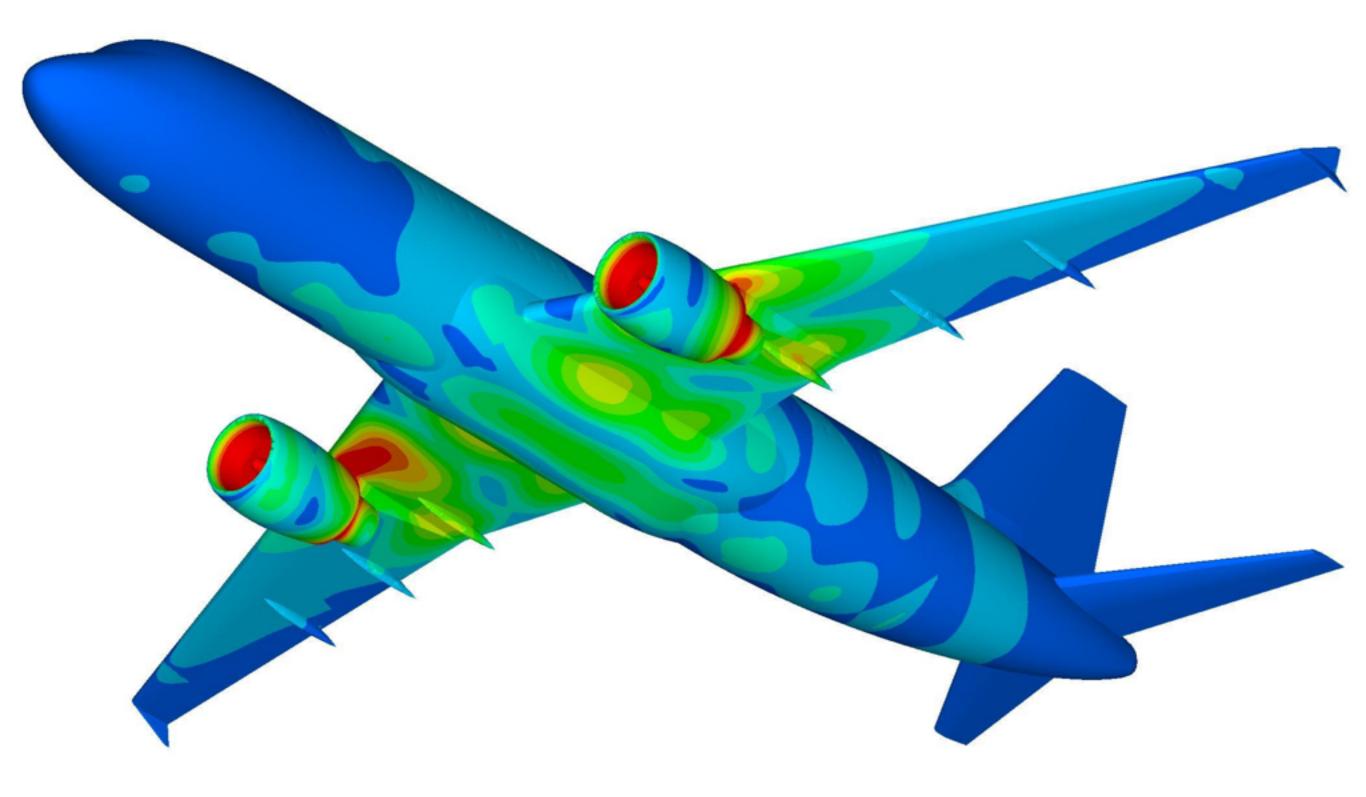
Finite-element methods



# Civil engineering





## Aeronautics

### Finite-element software

commercial

Comsol
Abaqus
Autodesk
ANSYS

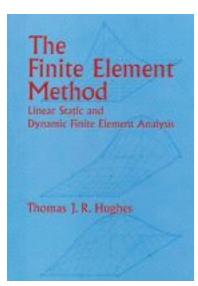
open-source

FEniCS
deal.II
OpenFOAM
code\_aster
Elmer

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#### Finite-element literature

#### books



Thomas J.R. Hughes.

The Finite Element Method: linear static and dynamic finite element analysis, Mineola, N.Y.: Dover, 2000.



O. C. Zienkiewicz, R. L. Taylor and J. Z. Zhu. **The Finite Element Method:** its basis and fundamentals,

ISBN: 978-1-85617-633-0.