Software
TRL 3

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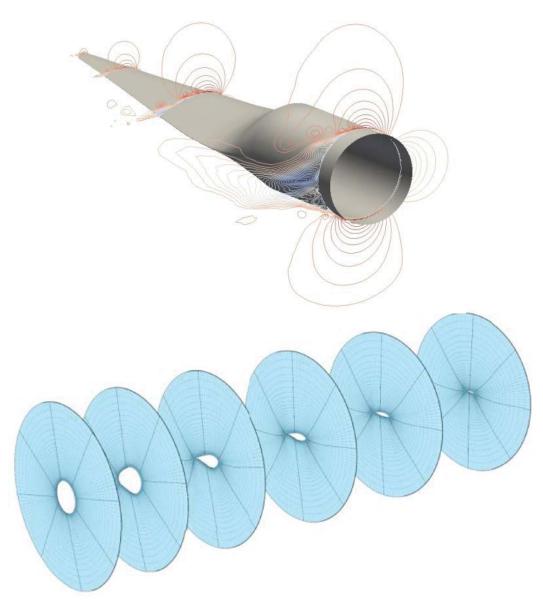
IFEM-CFD
isogeometric finite element fluid structure simulation tool

- Isogeometric analysis is one of the most important trends in numerical analysis in the last decade. It seeks to integrate the CAD design process with the FEA analysis process.
- Game-changing advantages of this approach are twofold.
    - First, the reuse of the geometry description in analysis avoids time consuming geometry clean-up and mesh generation steps at every design iteration.
    - Secondly, the resulting discretization turns out to have favorable approximation properties compared to traditional FEA discretization