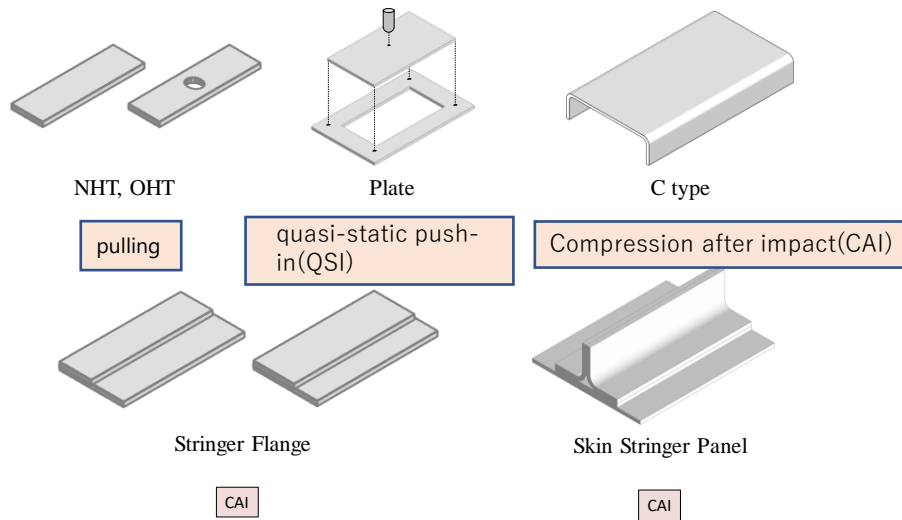


Ideal Aircraft-Structure Design with Carbon Fiber Reinforced Thermoplastics

WP2: Technology Development of Virtual Testing for CFRTP

- The place of research
- ① Aircraft Computational Science Center
 - ② School of Engineering, Tohoku University
 - ③ Kawasaki Heavy Industries, Ltd.
 - ⑥ Sophia University, Faculty of Science and Technology
 - ⑩ Institute of Composite Materials, Toray Industries, Inc.

FEM/XFEM study of CFRTP laminated specimens Validation and Validation of Virtual Test Methods (①Okabe/Abe Lab., ②Okabe/Shirasu/Kawagoe Lab., Kuriyagawa/Mizutani Lab., ③、⑥、⑩)



Development of CFRTP virtual testing system (CFRTP_VT)

(①Okabe/Abe Lab., ②Okabe/Shirasu/Kawagoe Lab., Kuriyagawa/Mizutani Lab., ⑥)

Building a new system via a commercial pre-post system (Abaqus/CAE)

