



정용수 교수

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연구분야

전산유체역학

회전익공기역학

공력음향학

대표연구

- 전산유체역학을 이용한 회전익 공력 성능해석
 - 효율적인 수치기법 연구
 - 경계층 천이 모델 연구
- 회전익 로터 소음 해석
 - 로터 광대역 소음 연구

주요 연구실적

- Interactional Aerodynamic Analysis of an Asymmetric Lift-Offset Compound Helicopter in Forward Flight, Journal of the American Helicopter Society, 2021
- Simulations for Effect of Surface Roughness on Wind Turbine Aerodynamics Performance, Journal of Physics: Conference Series, 2020
- Blade Structural Load/Airload Correlation on a Slowed Mach-Scaled Rotor at High Advance Ratios, Journal of the American Helicopter Society, 2020
- γ -Re θ t Spalart-Allmaras with Crossflow Transition Model using Hamiltonian-Strand Approach, Journal of Aircraft, 2019
- Turbulent and Unsteady Flows on Unstructured Line-Based Hamiltonian Paths and Strand Grids, American Institute of Aeronautics and Astronautics Journal, 2017