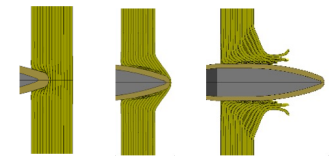


Structural integrity under extreme load

Topic: Structural batteries



•**TITLE:** Design and analysis of structural batteries

•**RESEARCH BACKGROUND:**

•Structural batteries have been attracted more attention recently due to its high efficiency and light weight, especially applied with composite structures. Thus, development of related numerical methods can be helpful for both design and applications of structure batteries.

•**RESEARCH ACTIVITIES:**

1. Development numerical models for structural batteries under simple loading conditions
2. Investigate the effect of batteries on mechanical behaviours of composite structures
3. Consider the multifunctional responses of structural batteries (optional)
4. Develop a method for description and optimization of structural batteries (optional)

•**METHODOLOGY:** Numerical – Programming

•**DURATION:** 7 – 9 months

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