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Energy absorption of metal, composite and metal/composite hybrid structures under oblique crushing loading

Guohua Zhu , Guangyong Sun , Hang Yu , Shunfeng Li , Qing Li

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Highlight

- Crashworthiness of aluminum tubes, CFRP tubes and aluminum/CFRP hybrid tubes was experimentally investigated under different loading angles.
- Numerical modeling of aluminum tubes, CFRP tubes and aluminum/CFRP hybrid tubes for crashworthiness was established.
- Parametric study for aluminum tubes, CFRP tubes and aluminum/CFRP hybrid tubes under different loading angles was conducted.

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