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A theoretical model of honeycomb material arresting system for aircrafts

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## Highlights

- Arresting properties of metal honeycomb material are studied.
- A Tire-Honeycomb material Interaction Mechanical Model is presented.
- The arresting simulation on aircraft B737-900ER is done.
- Honeycomb material can stop the overrunning aircraft efficiently.
- The stopping process is safe for the passengers and aircraft.

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