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An enhanced non–local failure criterion for laminated glass under low velocity impact

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Highlights

- New non-local failure criterion for laminated glass.
- The model is based on stress-rate-dependent fracture mechanics.
- A scalar damage model decreases the strength in the direction of a crack.
- Numerous head impact tests on windscreens were performed to validate the Model.
- Significant improvement of the reliability of head impact simulations.

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