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Probabilistic modelling of Hertzian fracture of glass by flying objects impact in bad weather

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Highlights

- Stochastic methodology has been developed for predicting Hertzian failure load of a glass panel.
- Loading rate effect has been incorporated into the model.
- Predicted CPD functions of failure load of glazing panels have been verified experimentally.
- Probability of Hertzian failure of glass panels in scenarios of hail impact has been illustrated.

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