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Experimental Investigation into the Force Propagation Velocity due to Hard Impacts on Reinforced Concrete Members

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Highlights

- Propagation of force from a point of impact to supports measured from impact on RC member
- Velocity with which force propagates from impact to supports shown to decelerate with distance from impact point
- Digital image correlation used to show development of deformed shape due to impact and subsequent propagation
- Digital image correlation used to measure and validate force propagation velocity obtained from other methods

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