

Y. NAKANO LAB.

[Seismic Performance Evaluation of RC Building Structures]

Department of Fundamental Engineering

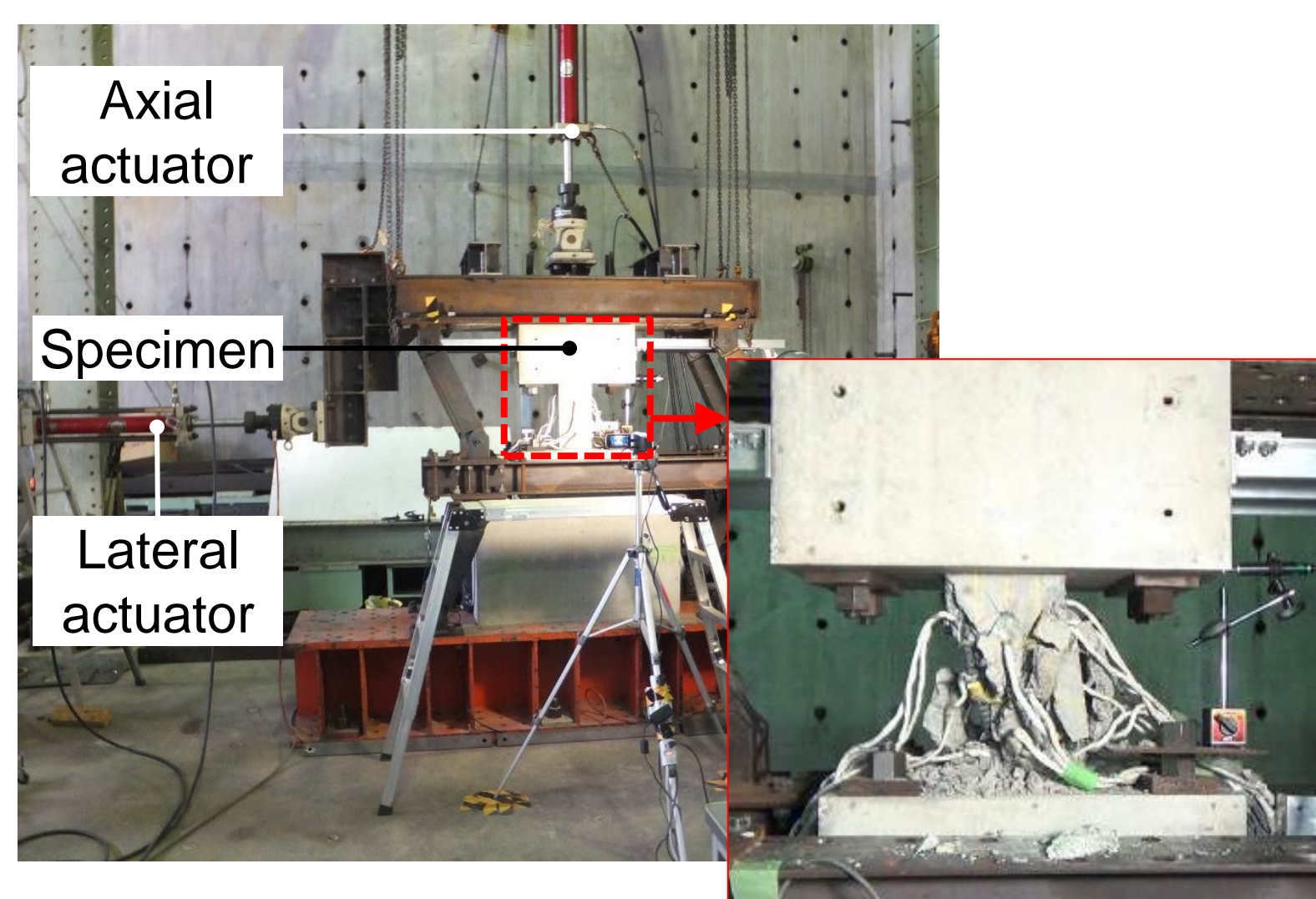
<http://sismo.iis.u-tokyo.ac.jp/>

Earthquake Engineering & Structural Dynamics

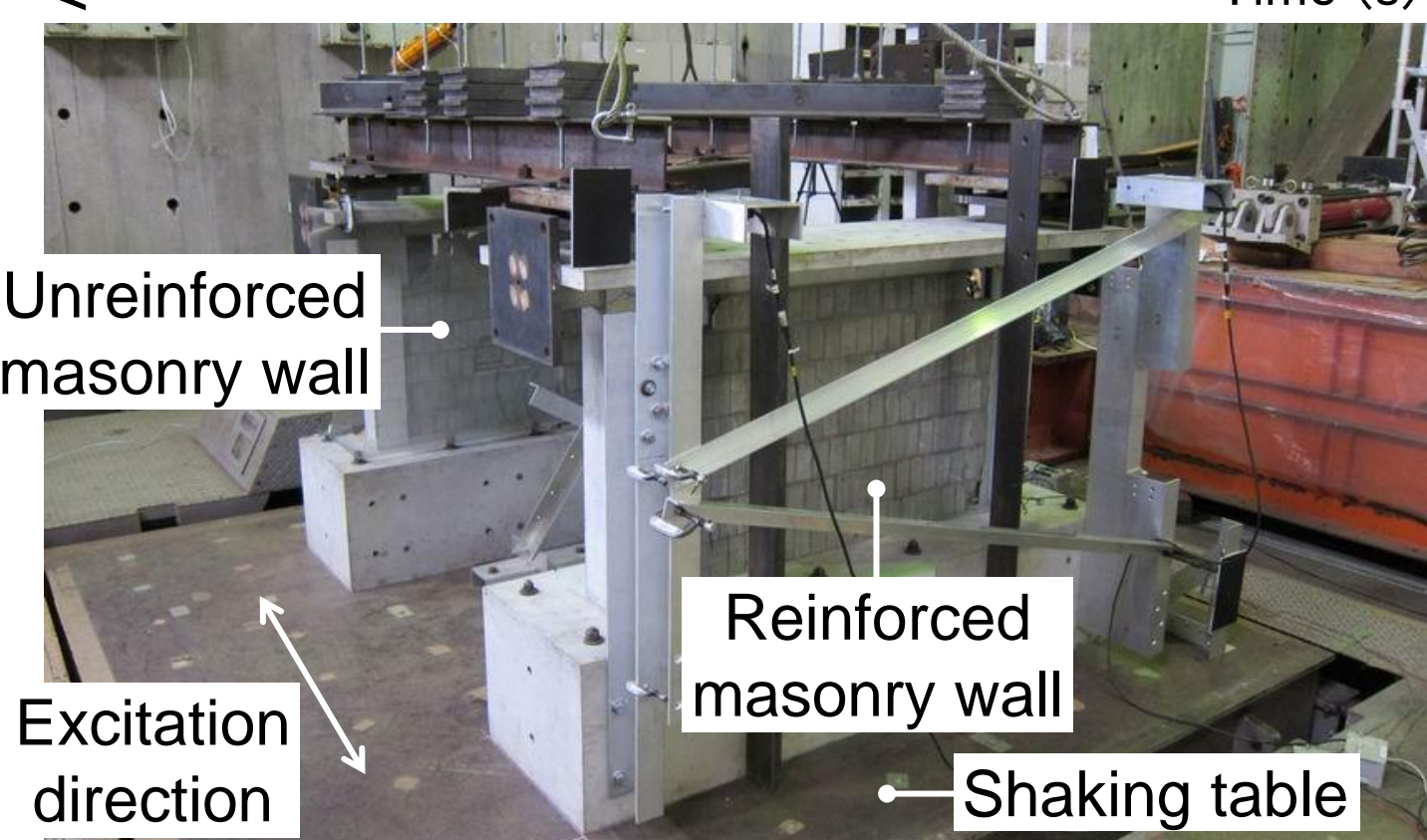
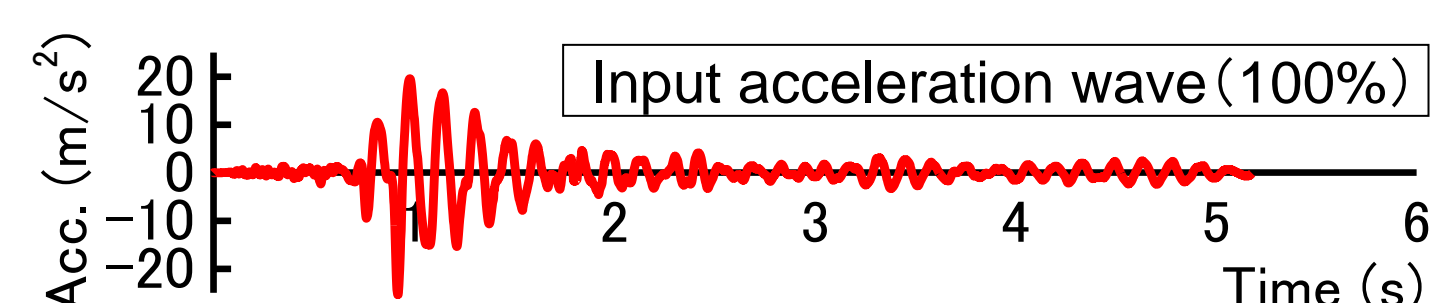
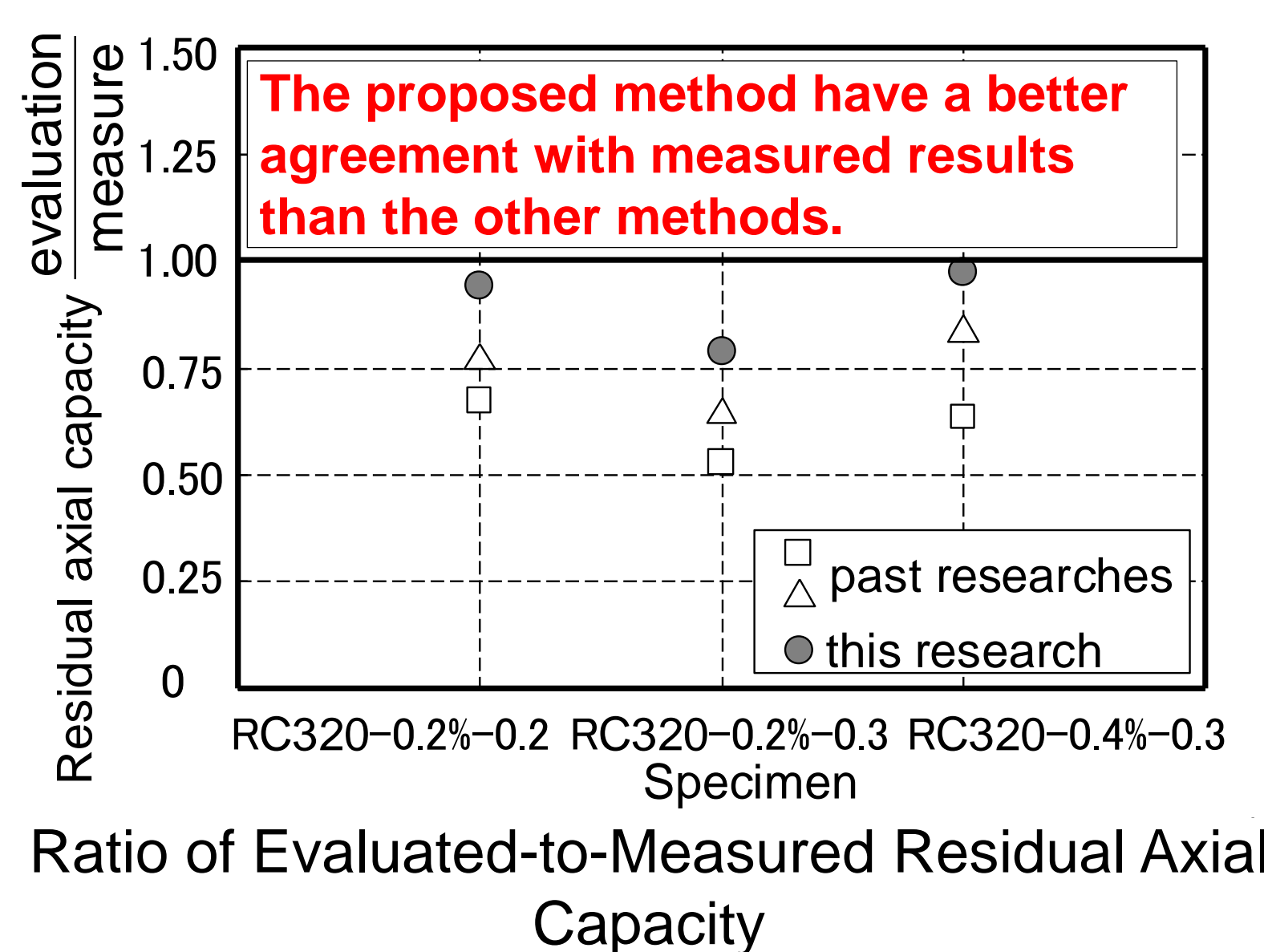
Faculty of Engineering,
Dept. of Architecture

Seismic Performance Evaluation of Reinforced Concrete Building Structures

- **MEMBERS:** Evaluation of Residual Axial Capacity of Shear Damaged RC Columns
- **SUB-ASSEMBLAGE:** Out-of-plane Behavior Evaluation of Masonry Wall Infilled RC Frames
- **OVERALL STRUCTURE:** Response Evaluation Method of Buildings due to Waterborne Debris Impact Load
- **INTERNATIONAL COOPERATION:** Project for Technical Development to Upgrade Structural Integrity of Buildings in Densely Populated Urban Areas and its Strategic Implementation towards Resilient Cities



Test Setup & Specimen after Axial Failure



Test Setup & Input Acceleration Wave

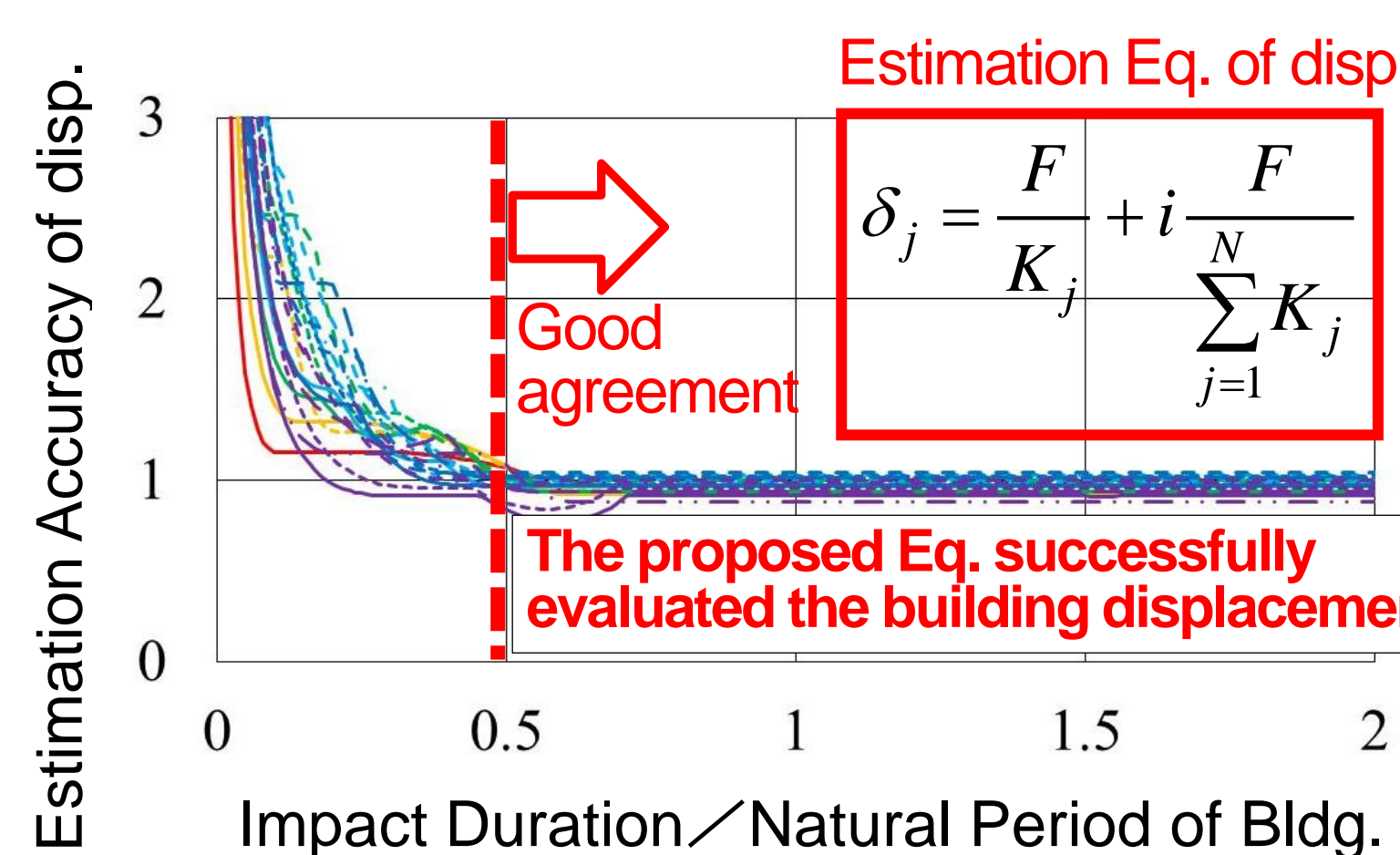
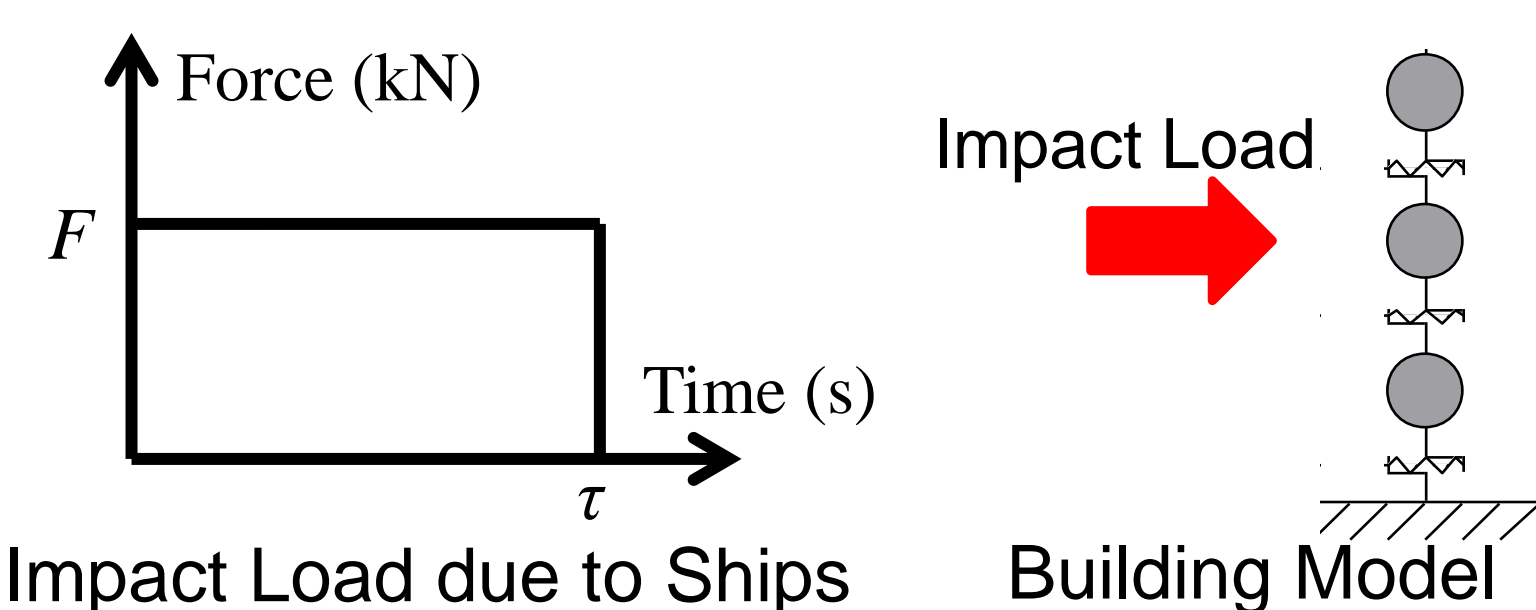


Damage to Masonry Wall with/without Reinforcement



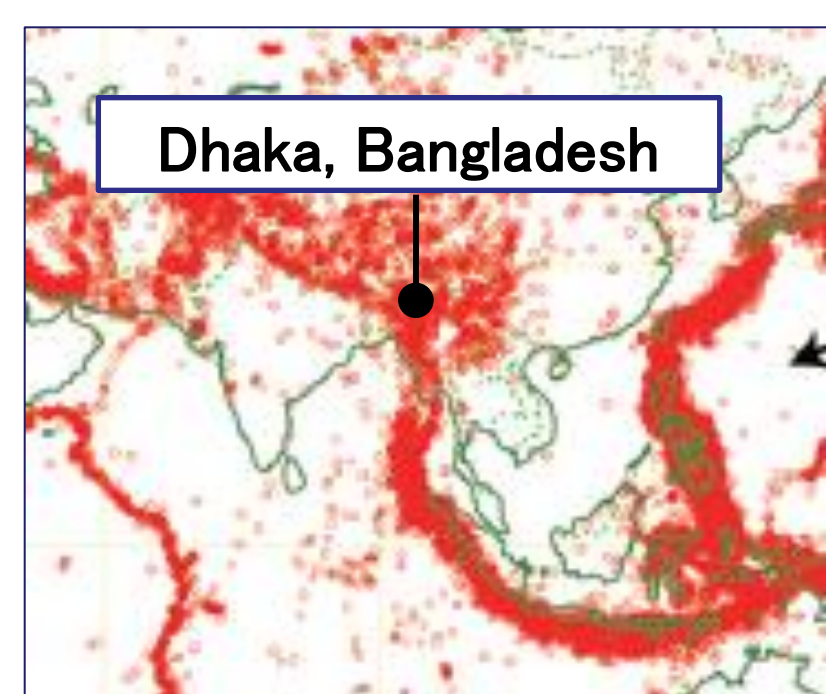
Kamaishi (2011)

Stranded Ship after 2011 Tsunami



Science and Technology Research Partnership for Sustainable Development (SATREPS)

Project for Technical Development to Upgrade Structural Integrity of Buildings in Densely Populated Urban Areas and its Strategic Implementation towards Resilient Cities



Higher Seismic Risk Collapse before EQ in Bangladesh

Joint Research Group & Research Themes



Technologies for enhancing structural resilience of buildings in Dhaka and their effective implementation schemes are proposed.