米国NEESとのコンクリート系建物に関する共同実験

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課題　コンクリート系建物の現行基準構造評価と高耐震構法開発

2014.9.1 名大･長江拓也

日米ミーティング

NEES/E-Defense meeting

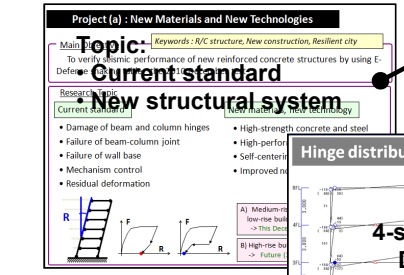
2009, September

2009, October

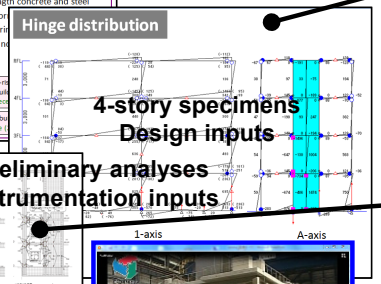
2010, March

2010, September

2010, December

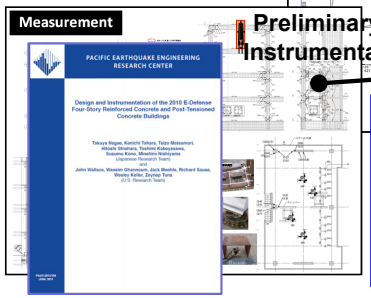


Topic:
- Current standard
- New structural system



4-story specimens
Design inputs

Preliminary analyses
Instrumentation inputs



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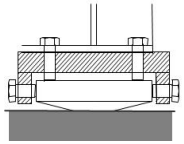
第二実験への準備

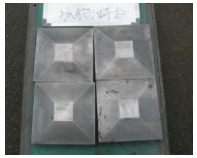
実骨組の損傷度検証の結果を踏まえて

骨組損傷軽減のための基礎摩擦特性の実験

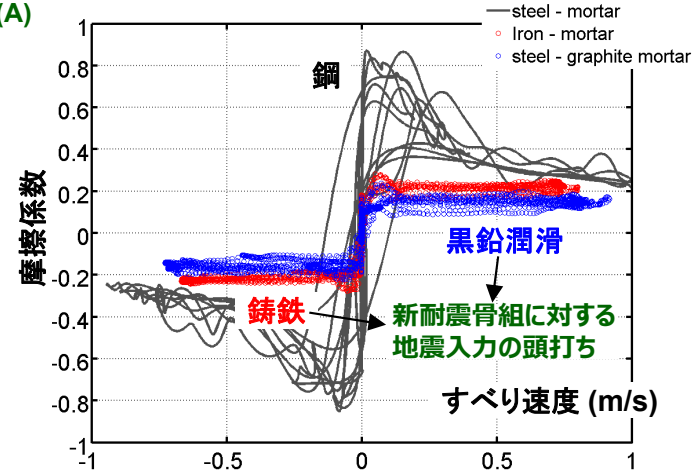
科研費若手 (A)



モルタル



鋳鉄



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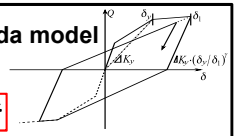
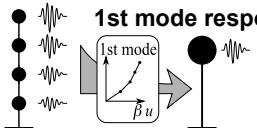
応答解析と等価線形化法

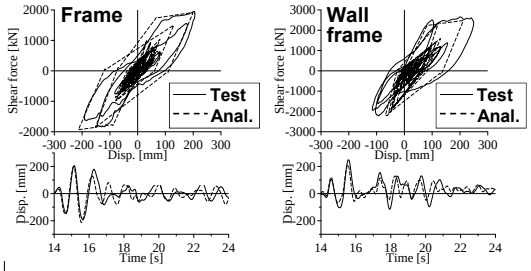
Takeda model



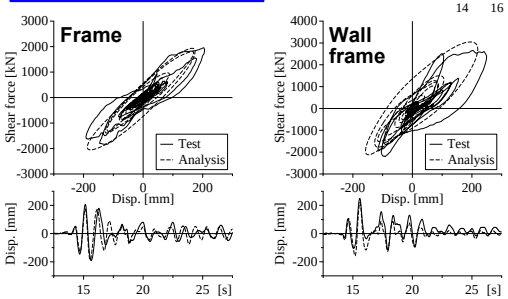


実験結果
INPUT→ JMA Kobe 100%

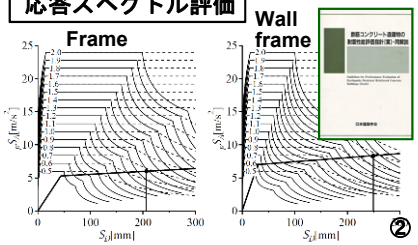
弾塑性履歴モデル解析



等価線形解析→Te, hs



応答スペクトル評価



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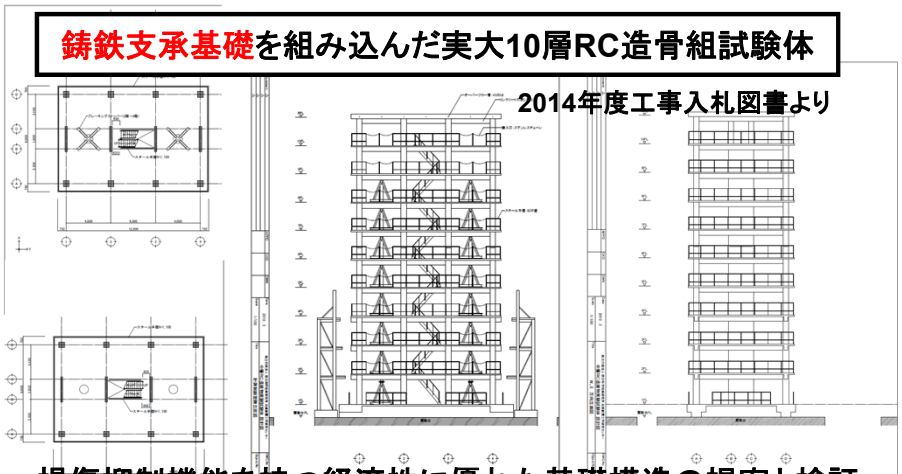
2015年度実験

1. New (but low) technology, 2. High design technique → Disruptive technology

鋳鉄支承基礎を組み込んだ実大10層RC造骨組試験体



損傷抑制機能を持つ経済性に優れた基礎構造の提案と検証

限界耐力計算（応答スペクトル法）の適用性向上による実務設計の実現

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