Characterization of weathering reference materials based on laboratory light source exposure environment

Proposal of design method providing the performance of sealed joint to relative story displacement

Development of method for measuring contraction stress of resin for FRP membrane during cure and some results measured

Seismic risk evaluation method for building structures based on uniform hazard response spectra considering amplification of subsurface structure

Responses for simultaneous input of horizontal and vertical components based on their phase difference of observed seismic motions in a low-damping structure

Earthquake energy input to structure-pile-soil systems

Equivalent linearization of passive control system with oil damper bilinearly dependent on velocity

Active damage detection method based on support vector machine and impulse response

Energy dissipation mechanism and maximum response displacement prediction of steel frames with yielding base plates in uplift motion for seismic response reduction

System identification of a nuclear reactor building under fixed base condition using measured data

Optimum design method of steel building frames using expression of a member section based on mixtures of probabilistic principal component analyzers

Flat system truss with high strength steel buckling-restrained members as redundant structure

Collapse of reinforced concrete columns failing in shear after flexural yielding

A simplified nonlinear analysis procedure for multi-story asymmetric buildings

Effects of prestress on ultimate strength of concrete beam-interior column frame assemblies

Response evaluation of passively controlled multistory building with non-uniform damper distribution

Experimental study on elastic-plastic behavior and ultimate strength of exposure fixed-type steel column-base subjected to bending moment

Plastic hinge length and flexural deformation capacity of unembended type column bases in SRC structures subjected to cyclic bending and shear under high tensile force

Study on high strength bolted connection in aluminum-alloy structure —Friction surfaces treated with inorganic zinc rich paint—

1. Characterization of weathering reference materials based on laboratory light source exposure environment
2. Proposal of design method providing the performance of sealed joint to relative story displacement
3. Development of method for measuring contraction stress of resin for FRP membrane during cure and some results measured
4. Seismic risk evaluation method for building structures based on uniform hazard response spectra considering amplification of subsurface structure
5. Responses for simultaneous input of horizontal and vertical components based on their phase difference of observed seismic motions in a low-damping structure
6. Earthquake energy input to structure-pile-soil systems
7. Equivalent linearization of passive control system with oil damper bilinearly dependent on velocity
8. Active damage detection method based on support vector machine and impulse response
9. Energy dissipation mechanism and maximum response displacement prediction of steel frames with yielding base plates in uplift motion for seismic response reduction
10. System identification of a nuclear reactor building under fixed base condition using measured data
11. Optimum design method of steel building frames using expression of a member section based on mixtures of probabilistic principal component analyzers
12. Flat system truss with high strength steel buckling-restrained members as redundant structure
13. Collapse of reinforced concrete columns failing in shear after flexural yielding
15. Effects of prestress on ultimate strength of concrete beam-interior column frame assemblies
16. Response evaluation of passively controlled multistory building with non-uniform damper distribution
17. Experimental study on elastic-plastic behavior and ultimate strength of exposure fixed-type steel column-base subjected to bending moment
18. Plastic hinge length and flexural deformation capacity of unembended type column bases in SRC structures subjected to cyclic bending and shear under high tensile force
19. Study on high strength bolted connection in aluminum-alloy structure —Friction surfaces treated with inorganic zinc rich paint—