

Ground Motion Selection and Modification (GMSM) Working Group
10am – 2pm September 18, 2006
PEER – Richmond Field Station

10 – 11:30 List and summary of ground motion selection and modification methods:

Nico will present the current list of selection and modification methods.

Identify the missing information for the methods.

Assign task to fill the missing information, including summary write-up for each method.

Any additional methods to be added for future work? For additional methods, should the author provide time series for testing?

11:30 – 11:45 Christine will give presentation about Naeim's method. Also information about GMSM web site.

11:45 – 12:30 Progress on GMSM methods – short presentations by participants – send e-mail to Yousef if you want to give short update/progress of your work

12:30 -12:45 Lunch

12:45 – 1:10 Progress on nonlinear structural models

Farzin will provide the group with the structural characteristics of the models that were requested. The characteristics presented shall include:

1. Plan and elevation views
2. Year of design
3. Building code used for design
4. Fundamental mode periods and their mass participation factors
5. Design base shear and corresponding weight
6. Expected global ductility
7. Pushover curve

For the following models:

1. 12-story frame T small
2. 12-story frame T large
3. 12-story shear wall T small
4. 12-story shear wall T large

Curt and Erol: Progress on nonlinear analyses

Tony: Progress on tall buildings

1:10 – 1:30 Jennie: Update of results of the “true” response for 4-story building and other structures

1:30 – 2:00 Upcoming Meetings

October 27th – GSM SM Public Meeting

Proposed Topics:

1. The problem of comparing methods. Why a bin of M & R won't work.
2. An overview of various methods
3. Presentations about new developing methods of GSM SM
4. How we've decided to go forward. Estimating the pdf of structural response.
5. What is the point of comparison? Presentation of the different options and what they mean. (Blue line? Point on the blue line? Green line?)
6. A review of the structural models to be used.
7. Example structure (4-story RC?) and pdf of structural response
8. Future plans including list of additional methods and request of suites from the audience. ????

Location: PEER RFS?

Attendee List: ?

For October meeting: Time series and scale factors will be provided to Christine.

Friday October 20th –coordination meeting for GSM SM Public Meeting

COSMOS Annual Meeting; and COSMOS/PEER GSM SM Session:

Which methods will be tested for the COSMOS meeting?

We should use a few code based approaches for the meeting.

For the November meeting: Christine will provide Jennie with results of analyses performed using selection methods.

Tentative agenda of COSMOS meeting.

Schedule for additional working group meetings