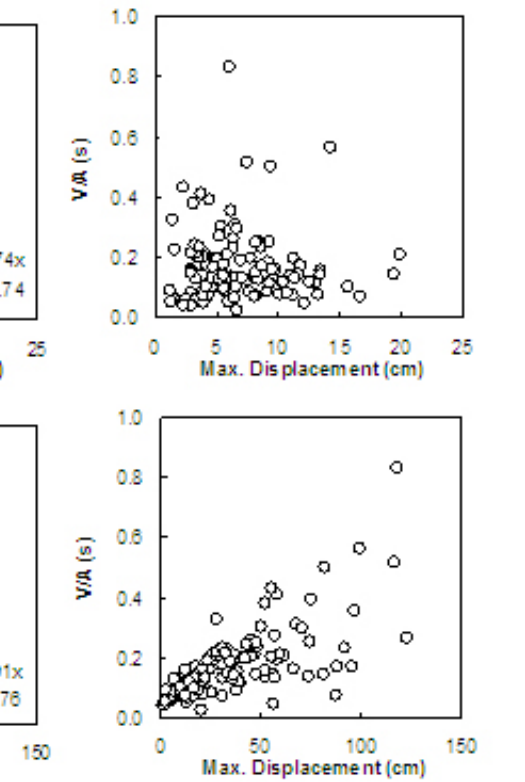


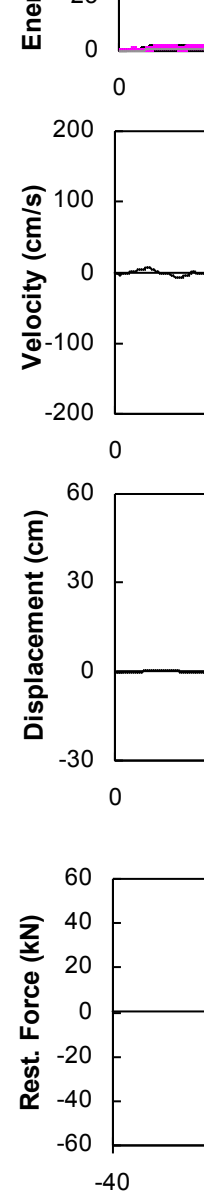
ity scaling of  
ent viz., effective  
tical.

ement and ECE,  
 $V/A_{max,e}$ , and ratio of PGA  
having constant  
and (b)  $T = 3.0s$ .

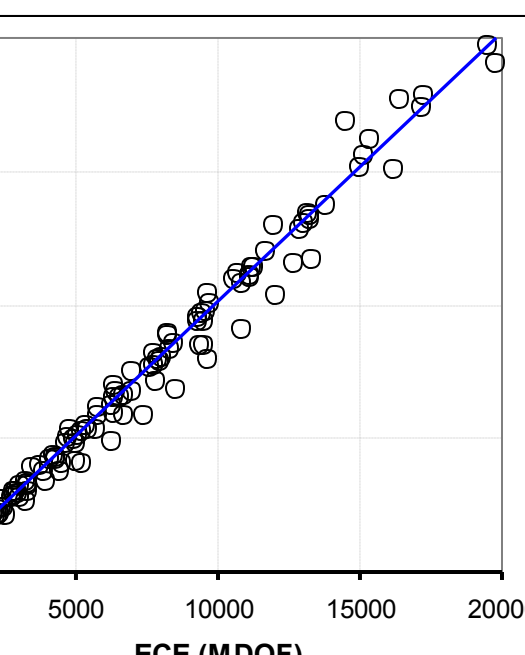


demand (sum of  
hysteretic and damping  
energies) imposed on a  
structure over an  
effective duration that is  
equivalent to the time  
between two zero-  
crossings of the  
“effective velocity pulse”

Correlation of SDOF  
oscillator inelastic  
response with computed  
ECE for near-fault forward  
directivity record of Rinaldi  
Rec. Stn. and fling record  
of Sakarya ( $T_{elastic} = 1.0s$ ,  
 $m = 4.0$ ).



N



## RESULTS BASED ON 6-STORY

