WHE BACER BLA	SE 2: DEVELOPMENT OF ANALYTICAL SEISMIC VULNERABILITY FUNCTIONS
WHE-FAGER FHA	SE 2. DEVELOPMENT OF ANALYTICAL SEISMIC VOLNERABILITY FUNCTIONS
Author:	Kappos Andreas, Panagopoulos Georgios
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Structure type (describe as broadly as possible): Geographic or other limitations:	RC3.2LL RC frame, Low seismic code design (1959), Low-rise (2 storeys), Soft storey (pilotis)  Greece, Southern Europe
Geographic or other inflitations.	Add rows as de
	Basic pushover curve for this structure type
Pushover X-axis: Pushover Y-axis:	Sd (cm) Choose spectral displacement (Sd), inches; or Roof displacement (Deltar), inches. Change and state units if des Sa (q) Choose spectra acceleration (Sa), q; or base shear (V), kip. Change and state units if desired.
Elastic damping ratio:	Small-amplitude damping ratio, fraction of critical
1st mode participation factor:	1.02 PFfR; generally 1.3 to 1.5; same as (effective height)/(total roof height)
Effective mass coefficient:	1.00 alpha1; generally 0.7 to 0.8
Building weight:	1003.37 W, kN. Change and state units if desired
How were these values & pushover points derived?	
	Add rows as de
Pushover curve control poir	t X Y Damping Comment
	0 0 5 Control point for plotting purposes
	2.32 0.15 apparent yield point
	ultimate point (25% drop in strength)
	beginning of lower plateau end of lower plateau
	end of lower plateau
	pper and lower-bound range of pushover curves for this structure type
	dings of this type would have pushover curve inside the area bounded between this curve and the Y-axis?
Author's meaning of "upper bound": How were these values & pushover points derived?	
now were these values & pushover points derived?	Add rows as de
	Add toks as de
	Optional upper-bound pushover curve
Pushover curve control poir	
	0 0 Control point for plotting purposes E.g., yield point?
	E.g., yield point?
	E.g., beginning of lower plateau?
	Add rows as desired
	* ***
Author's meaning of "lower bound":	dings of this type would have pushover curve inside the area bounded between this curve and the X-axis?
How were these values & pushover points derived?	
The second secon	Add rows as de
Dushausana	Optional lower-bound pushover curve
Pushover curve control poir	t X Y Damping Comment Control point for plotting purposes
	E.g., yield point?
	E.g., ultimate point?
	E.g., beginning of lower plateau?
	Add rows as desired
	Other requested parameters
D14	11.20 median drift (in same units as pushover X-axis) associated with complete structural damage, i.e., drift with 50% c
B14	0.60-0.80 logarithmic standard deviation of drift associated with complete structural damage. May need to be guessed
Sdc	14.56 the median value of drift (in same units as pushover X-axis) associated with collapse, e.g., Sdc = (roof drift at coll
L15	indoor fatality rate given collapse. Many contributors may be unable to provide this value. Porter, Comartin, and I
PC Indiana	mean fraction of building area collapsed, given complete structural damage. Again Porter, Comartin, and Holmes
kshort kmed	If HAZUS-style damping preferred, and author can judge, this is the degradation factor for short-duration (M <= 5 If HAZUS-style damping preferred, and author can judge, this is the degradation factor for medium-duration (5.5
klong	If HAZUS-style damping preferred, and author can judge, this is the degradation factor for long-duration (M >= 7.
Explain how these values were arrived at, providing of	
	Add rows as de
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