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Errata for

# The Seismic Design Handbook, 2nd Edition \*

Page No.	Location	Change from	to
ix	Author's middle initial	John G.	John D.
ix	John Gillengerten's affiliation	<i>Senior Project Manager, John A. Martin &amp; Associates, Inc., Los Angeles, California</i>	<i>Senior Structural Engineer, Office of Statewide Health Planning and Development, State of California.</i>
x	add to the contributors' list		Fahim Sadek, Ph.D. <i>Mechanical Engineering Department, Southern Methodist University, Dallas, Texas</i> <i>(Earthquake Ground Motion and Response Spectra)</i>
xiii	2nd line of the 2nd paragraph of the Preface	22	23
67	last line of the first paragraph in the right column	$\ln(PGA)$	$\sigma_{\ln(PGA)}$
116	Cross out the footnote under the right column		
124	Increment the reference numbers on this page by +1, so they would be 2-132 to 2-138 instead of 2-131 to 2-137.		
190	First equation of right column	$=\mu v$	$=\mu V$
194	Equation 4-22b	$p=$	$\rho =$
195	Equation Numbers  First line after Eq. (3-26)	(3-26a) (3-26b)  $P_o$	(4-26a) (4-26b)  $p_o$
198	Denominator of the last formula on the page	$P_{ev}$	$P_e$
199	8 <sup>th</sup> line of the left column	$l_{cy}$	$v_y$
200	8 <sup>th</sup> line of Sec. 4.4.6.	$\Im$	$\tau$

Page No.	Location	Change from	to
209	5 <sup>th</sup> line of the right column	From Example 4-1	From Example 4-2
210	First and 8 <sup>th</sup> lines of the right column	Equation 4-42	Equation 4-41
210	Replace Figure 4-19 with this one.		
221	4 <sup>th</sup> line after Eq. 4-90	$[A(t) - \alpha B(t)]$	$[A(t) + \alpha B(t)]$
223	Top of the page, change Eq. Number Row 2, column 1 of the matrix Row $n-1$ , column $n$ of the matrix	(3-95) $k_2$ $k_n$	(4-95) $-k_2$ $k_{n-1}$
227-228	Equations 4-114, 4-115, 4-118, 4-120, 4-127, 4-129, 4-130	$\varphi_n$	$L_n$
230	Table 3-3 In Table title line 3 <sup>rd</sup> row under Response Quality	Example (4-8) (Eq. 3.128)	Example (4-9) (Eq. 4.128)

Page No.	Location	Change from	to
231	Middle of right column  Table 4.4 at the bottom of right <u>and</u> top of left column.	$=\{\phi_n\}(\varphi_n / M_n^*)S_{dn}=\{\phi\}\alpha S_{dn}$  Example 3-9  Example 3-7	$=\{\phi_n\}(L_n / M_n^*)S_{dn}=\{\phi_n\}\alpha S_{dn}$  Example 4-9  Example 4-7
273	The 7 <sup>th</sup> line following the Table	$\Delta \leq 2.34/5.5 = 0.567$	$\Delta \leq 3.12/5.5 = 0.567$
336	Footnote	6-22	7-22
681	Author's affiliation	<i>Senio</i>	<i>Senior</i>
695	Right column, 2 <sup>nd</sup> paragraph	1.5 to 3.0	1.0 to 3.0
699	Left column, last sentence of the 2 <sup>nd</sup> paragraph.  Right column, left hand side of the 5 <sup>th</sup> equation	$S_s$  $F_t$	$S_s$  $F_t$
701	Right column, left hand side of the last equation	$F_t$	$F_t$
750	2nd column, 2nd sentence after SOLUTION	$TD=2.5$	$T_D=2.5$
750	2nd column, 3rd sentence after SOLUTION	T be on the	To be on the
750	2nd column, 3rd sentence after SOLUTION	$RI$	$R_I$
759	Left column, line 7 from the bottom	Increasing	Increasingly
762	Left column, line 7 from top	Figure 15-3	Figure 15-4
762	Right column, at the end of the first paragraph		Add full stop, “.”
763	Left column, the title		Space is needed between 15.3 and ATC-40

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763	Right column, line 3 from the top	Covert	Convert
763	Right column, line 4 of the second paragraph (after 12.)	Building	Buildings
<b>Page No.</b>	<b>Location</b>	<b>Change from</b>	<b>to</b>
766	Left column, line 3 and 4 after 15.3.5	structures.	the structure.
766	Right column, line 6 from the top	footings	footing
766	Right column, at the end of the 3 <sup>rd</sup> paragraph, (line 25 from the top of the page)	than	then
766	Right column, 4 <sup>th</sup> line from the bottom of the page	affects	effects
769	Left column, the 2 <sup>nd</sup> line of the second paragraph	Spectra acceleration	Spectral acceleration
770	Left column, second line after equation (15-6)	increase	increases
773	In table 15-5, for performance limit of “damage control”, change the maximum total drift	0.01-0.002	0.01-0.02
774	Left column, line 8 from the top of the page	with	within
776	Right column, line 11 from the top of the paragraph	suggest	suggested
778	Right column, line 3 under 15.4.2.2	a additional	an additional
778	Right column, line 7 after equation (15-11)	can included	can be included
780	Left column, second line after equation (15-12)	line	live
781	Left column, line 5 after 15.4.3.1.1	Eigenvalue value analysis	Eigenvalue analysis

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	15.4.3.1.1		
781	Left column, second line after equation (15-15)	under the direction	in the direction
782	Left column, line 2 after the table (in the explanation)	shear any level	shear at any level

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<b>Page No.</b>	<b>Location</b>	<b>Change from</b>	<b>to</b>
785	Left column, line 5 from bottom of the page	considered	consideration
789	Left column, in calculation of $S_{xI}$	$S_{xI} = 0.75 \times 1.0 = 0.975\text{g}$	$S_{xI} = 0.75 \times 1.3 = 0.975\text{g}$
790	Right column, line 11 from the bottom	was determined	were determined
790	Right column, line 9 from the bottom	has be continued for	has to be continued to
829	2 <sup>nd</sup> column, 10 <sup>th</sup> line from the bottom	Tag Mail	Taj Mahal

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\* *Special thanks to Mr. Arzhang Alimoradi of Carleton University for pointing out most of the typing errors in Chapter 15.*