

Digital Image Processing

4th GLOBAL Edition

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CORRECTIONS

Some of the corrections listed may already be incorporated in your printing of the book

Page	Reads	Should Read
71, six lines from bottom	$W/2$	$1/2W$
162, 2nd line below Eq. (3-44)	... a respectable 5.2.	... a respectable 5.5.
212, 1st eq. in Ex 4.2	$...dt = e^{-j2\pi u}$	$...dt = e^{-j2\pi u^0} = e^0 = 1$
230, Eq. (4-52)	$\delta(t, z) = \begin{cases} 1 & \text{if } t = z = 0 \\ 0 & \text{otherwise} \end{cases}$	$\delta(t, z) = \begin{cases} \infty & \text{if } t = z = 0 \\ 0 & \text{otherwise} \end{cases}$
254, equation, middle of page.	$(f \star h)(x) = \sum_{m=0}^{300} f(x)h(x-m)$	$(f \star h)(x) = \sum_{m=0}^{300} f(m)h(x-m)$
255, labels in Figs. 4.27(e),(j).	$(f \star g)(x)$	$(f \star h)(x)$
295, Eq. (4-147)	The equation should read: $H(u, v) = (\gamma_H - \gamma_L)[1 - e^{-cD^2(u,v)/D_0^2}] + \gamma_L$	
297, below Eq. (4-148)	I the text below Eq. (4-148), lines 3, 6, and 12: replace “bandpass” with “bandreject”	
306, first line	$W_M^{u+K} = W_K^u$	$W_K^{u+K} = W_K^u$
307, Eq. (4-172)	$\alpha(n) = M \log_2 M$	$\alpha(p) = M \log_2 M$
360, Eq. (5-84)	Upper limit in last summation reads $M - 1$	Replace with $N - 1$
463, Fig. 6.29 Caption	(d), (e)-(f) should read: (d) The required CMY mapping function. (e)-(f) The required CMYK mapping functions.	
468, top side comment box	Change $s_{3,0}$ to $s_{0,3}$.	
468, Eq. (7-22)	The elements of the second column vector should be: $s_{0,u}, s_{1,u}, \dots, s_{N-1,u}$	
477, 3 rd line from top	$x = 0, 1, \dots, 7$	$x = 0, 1/8, \dots, 7/8$
478, Step 3 of Example 6.19	The components of the column vector \mathbf{h} should be $1, e^{-j\pi/8}, e^{-j\pi/4}$, and $e^{-j3\pi/8}$	
501, last parag, penultimate line	... Fig. 7.16(b)	... Fig. 7.17(b)
518, Eq. (7-150)	$g_1(n) = (-1)^n h_0(n)$	$g_1(n) = (-1)^{n+1} h_0(n)$
520, Eq. (7-152)	Unreadable	$\varphi(x, y) = \varphi(x)\varphi(y)$
542, Example 8.1	In the first eq. of the example, after the second term, insert the term “+ 0.25(3)”	
543, Table 8.1	Change the 2rd, 3rd, and 4th entries in the Code 1 col to: 10000000, 11000100, and 11111111	
770, 7 lines from bottom	set, Q , of observations ...	set of Q vector observations ...
770, 2 lines from bottom	... } be set of vector observations	... } be a set of vector observations
771, 3 lines above Eq. (10-85)	... partition the set Q of observations partition the set of Q observations ...
773, Fig. 10.50, caption line 1	600×480	600×800
781, last line	... Eq. (10-4)	... Eq. (10-97)
804, Problem 10.6	(c)	There should be no part (c).
842, Eq. (11-23)	So that the eq will match Fig. 11.21, change it to: eccentricity = $\sqrt{\lambda_1^2 - \lambda_2^2} / \lambda_1 = \sqrt{1 - (\lambda_2 / \lambda_1)^2}$ $\lambda_1 \geq \lambda_2$	
842, 1st line below Eq. (11-23)	... For a line $\lambda_1 = 0$... For a line $\lambda_2 = 0$
638, Fig. 9.3c	Elements (3,5), (3,11), (5,5), and (5,11) should be 0 (white in the figure)	

831, 7 th line of Example	Figure 11.14(c) shows ...	Figure 11.14(d) shows ...
876 2 nd parag. replace line 5	the pixels above the threshold as white and pixels at or below the threshold as	
876 lines 6 and 7	... (all pixel values are at or above 0).	... , with 0-valued pixels showing as black.
879 3 rd parag line 7	... that do change	... that do not change
975, 3 rd line from top	... $\delta_{x,y}(+1)$	$\delta_{u,v}(+1)$
980, last line of last parag	99.9%	99.4%
878, Fig. 11.51	<p>Fig. 11.51 should look like this:</p>	
927, Example 12.5	The multiplier in front of m1 and m2 should be 1/4 instead of 1/3	
938, 4th line	... positive (i.e., 6)	... positive (i.e., 12)
947, footnote, eq. in 3rd line	...exp[$z_i(L)$]	...exp[$z_k(L)$]
959, 3rd line from bottom	0.02	0.5
962, 2nd parag., 1st line	1887	1897
972, Eq. (12-88)	The superscripts in the last summations on the second line should be (3) (3) instead of (2) (2)	
987, 3rd parag. 2nd line	... <i>universality</i>	... <i>universal</i>

Possible Missing References

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