

Digital Image Processing Using MATLAB

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Prentice Hall

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NOTE: Depending on the country in which you purchase the book, your copy may have most of the following errors corrected. To tell which printing of the book you have, look on the page (near the beginning of the book) that contains the Library of Congress Catalog card. Toward the bottom of that page, you will see a line that says: "Printed in the United States of America." Below that line there is a series of numbers, starting with 10 on the left. The last number on the right is the printing of your book (e.g., if it is a 1, then you have the first printing of the book, a 2 indicates that you have the second printing, and so on). The first column of each row in the following table indicates the printing(s) to which the corrections shown in that row apply. **Note: The printing house failed to update the printing history for the second printing of the book. To determine if you have the second printing, please check page 100. If the 2nd and 3rd lines from the bottom in Table 3.4 read ". . . it must be greater than or equal to 0 and . . ." as opposed to ". . . it must be greater than 0 . . ." then you have the second printing.**

July 17, 2006

BOOK CORRECTIONS

Printing	Page	Reads	Should Read
1	xii, 8th line from bottom of page	David. R. . . .	David R. . . . (remove period after David)
1-3	25, second parag.	unit8	uint8
1, 2	43, 7th line of function <code>improd</code>	. . . unit16 uint16 . . .
1	100, Table 3.4, 2nd line from bottom	. . . it must be greater than 0 and	. . . it must be greater than or equal to 0 and
1	103, 14th line from top.	The result, shown in Fig. 3.15(c) . . .	The result, shown in Fig. 3.16(c) . . .
1	109, 6th line from bottom	$F(u,v) = F(u,v) e^{-j\angle F(u,v)}$	$F(u,v) = F(u,v) e^{j\angle F(u,v)}$
1	131, function <code>lpfilter</code>	Function call was revised. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2.	
1	152, function <code>imnoise3</code>	Help block was revised. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2.	
1, 2	144, 5th line of Example 5.1	To find z we solve the equation	where $b > 0$. To find z we solve the equation
1, 2	144, 8th line of Example 5.1	$z = a + \sqrt{b \ln(1-w)}$	$z = a + \sqrt{-b \ln(1-w)}$
Various	145, top line	. . . generalized to an "blank" array generalized to an $M \times N$ array . . .
1, 2	145, 3rd line from top	<code>>> R = a + sqrt(b*log. . .</code>	<code>>> R = a + sqrt(-b*log. . .</code>
1, 2	145, 9th line from top	$z = a + \sqrt{b \ln(1-w)}$	$z = a + \sqrt{-b \ln(1-w)}$
1, 2	146, last cell in 5th row of table	$z = a + \sqrt{b \ln[1-U(0,1)]}$	$z = a + \sqrt{-b \ln[1-U(0,1)]}$
1-7	146, last cell in 4th row of table	$z = ae^{bN(0,1)}$	$z = e^{bN(0,1)+a}$
Various	148, function <code>imnoise2</code>	Corrected bug in lognormal computation.	
1, 2	158, 2nd line from top	. . . <code>statmoments(h, 2);</code>	. . . <code>statmoments(p, 2);</code>
1, 2	201, middle of page	threshold values in v must between . . .	threshold values in v be must between . . .
1	224, Example 6.6, 10th line	samples for visual assessments . . .	for visual assessments . . . (remove "samples")
1	247, icon labeled <code>wavefun</code>	Icon is aligned with second instance of function <code>wavefun</code> .	Align icon with the first instance of function <code>wavefun</code> .

1, 2	249, 2nd line below <code>H = subplot(m, n, p)</code>	Both <code>m</code> and <code>n</code> must be greater than 1.	Both <code>m</code> and <code>n</code> must be greater than or equal to 1.
1, 2	256, 13th line from bottom	<code>... ~isnumeric(x)</code>	<code>... ~isnumeric(x)</code>
1	267, lines 2 and 3 from top	<code>... function wave2gray performs this subimage compositing—and both scales...</code>	<code>... function wave2gray performs asimilar subimage compositing; it scales...</code>
1	271, icon labeled <code>waverec2</code>	Icon is aligned with second instance of function <code>waverec2</code> .	Align icon with the first instance of function <code>waverec2</code> .
Various	319, function <code>im2jpeg</code>	Corrected bug in end-of-block computation. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.4.	
1	331, Example 8.9, line 3	<code>... an 88:1; encoding.</code>	<code>... an 88:1 encoding.</code>
1	331, Example 8.9, line 6	<code>... bit-plane-oriented ...</code>	<code>... bit-plane oriented ...</code>
1	331, Example 8.9, line 9	Since the 42:1, compression ...	Since the 42:1 compression ...
1-4	346, Equation	<code>... ≠ ∅</code>	<code>... = ∅</code>
1-2	435, 560, function <code>bsubsamp</code>	Function was revised to correct addressing errors that occurred under some conditions. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2.	
1, 2	438, 5th line from top	<code>>> b = B{1};</code>	<code>>> b = B{k};</code>
1, 2	445 Figs. 11.6(c) and (d)	There are several 2x2 white blocks inside the boundary that can be combined into larger blocks.	
1	456, 15th line from bottom	<code>... coordinates for the endpoints ...</code>	<code>... coordinates for the end points ...</code>
1, 2	459, 460, function <code>ifrdescp</code>	Help block was revised. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2. Corrected typo in Help text in Version 1.1.4.	
Various	487, function <code>mahalanobis</code>	Corrected typo in help text.	
1, 2	493-495 function <code>bayesgauss</code>	Function was optimized. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.3. Corrected typo in Help text in Version 1.1.4	
1, 2	506, 13th line from bottom	<code>>> delim = ['x'];</code>	<code>>> delim = [' '];</code>
1	529, 7th line	<code>tag</code> . For example, ...	<code>tag</code> . For example, ...
1-2	539, 5th line from bottom	If <code>handles.input</code> is ...	If <code>handles.colotype</code> ...
1-2	560-562 function <code>bsubsamp</code>	Function was changed. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2.	
Various	582, function <code>pixeldup</code>	Corrected typo in comment.	
1	591, function <code>statxture</code>	Function call was changed. All revised M-functions can be downloaded from the Book Updates section of the book web site. This fix also has been incorporated in the DIPUM Toolbox, starting with Version 1.1.2.	
1	596, 2nd line from bottom.	Wolbert, G. [1990] ...	Wolberg, G. [1990] ...
1	600, Index letter E	Endpoints, 350, 358, ...	Endpoints, 350, 353, 358, ...
1	601, Index	Insert "notch, 166" under entry "M-functions for filtering, 122".	
Various	604, Index	Insert the following under M: <code>mahalanobis</code> , 487	
1	605	Insert "notch filter, 166" under entry NOT, 45, 337	