

Correction to: Cosine-/Sine-Modulated Filter Banks



Correction to:

**V. Britanak, K.R. Rao, *Cosine-/Sine-Modulated Filter Banks*,
<https://doi.org/10.1007/978-3-319-61080-1>**

This book was inadvertently published without updating the following corrections:

Preface

On p. v, in the third line from top, “in” was inserted after comma to read “. . ., and vice versa, in many sub-band/transform-based schemes . . .”

Chapter 1

On p. 1, in the second paragraph, two occurrences of “pseudo-OMF” was replaced by “pseudo-QMF”

The online version of the updated original book can be found at

https://doi.org/10.1007/978-3-319-61080-1_1

https://doi.org/10.1007/978-3-319-61080-1_3

https://doi.org/10.1007/978-3-319-61080-1_4

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Chapter 3

On p. 50, in the sentence after equation (3.33): “. . . $\mathbf{D}_N = \text{diag} \{1, -1, 1, \dots, -1\}$ is the diagonal odd sign changing diagonal matrix, . . .”, the third word “diagonal” was removed.

On p. 54, in equation (3.52), replace “cos” transform kernel by “sin” transform kernel.

On p. 62, in the sentence after equation (3.78): “. . . $\mathbf{D}_N = \text{diag} \{1, -1, 1, \dots, -1\}$ is the diagonal odd sign changing diagonal matrix, . . .”, the third word “diagonal” was removed.

Chapter 4

On p. 106, on the right-hand side of equation (4.17) from the argument in the cosine transform kernel under sum the redundant variable “ n ” was removed.

On p. 145, in the first paragraph of subsection 4.3.7, correct the following sentence as follows: “For a particular radix number q , the radix- q fast algorithms recursively divide the entire transform computation into q shorter $\frac{N}{q}$ -point transforms [72].” (Append word “transforms” at the end of sentence).

On p. 145, in the last paragraph of subsection 4.3.7, the sentence was corrected as follows: “This DIT mixed-radix fast algorithm was extended . . .”.

4. On p. 149, on the left-side of equation (4.133) correct notation “ c_{3k+1} ” by “ c_{3k+1}^o ”.

5. On p. 168, on the right-hand side of equation (4.191) under sums, replace all terms “ c_k ” by “ c_k^{MLT} ,” (two times).

6. On p. 170, on the right-hand side of equation (4.200) under the sum, replace “ c_k ” by “ c_k^{MLT} ”.

Chapter 5

On p. 215, in the first sentence after equation (5.18) the closing parenthesis was removed after $\frac{N}{2}$ -point DCT-III.

On p. 234, on the right-hand side of equation (5.53) the “ D ” was changed to bold (“ $D_{\frac{M}{2}}$ ” by “ $\mathbf{D}_{\frac{M}{2}}$ ”)

Chapter 6

On p. 338, 3rd paragraph, 4th line, “Appendices” was corrected.

Chapter 9

On p. 498, the correct form of the sentence immediately after equation (9.23) is as follows: “where \mathbf{G}_N^T is the transposed rotation matrix \mathbf{G}_N defined by (9.12).”, (the superscript T denoting transposition was removed).

Appendix B

On p. 593, in the part B.1, the correct form of equation on the left-hand side in (B.2) is as follows:

$$u_n = -u_{N-1-n}, \quad v_n = v_{N-1-n}, \quad n = 0, 1, \dots, \frac{N}{2} - 1.$$

Appendix D

On p. 620, in the part D.7.1, the following paragraph was appended at the end:

$$\begin{aligned} c_0'' &= x_2 + a_5 \\ c_1'' &= m_2 - m_3 \\ c_2'' &= m_1 - a_8 \\ c_3'' &= m_4 - m_2 \\ c_4'' &= m_1 + a_8 \end{aligned}$$