Errata list for
»Codes on Graphs and More«

Doctoral dissertation by Florian Hug

Chapter 2: Graphs, Codes, and Codes on Graphs				
44	eq (2.37)	$\operatorname{sign}\left(r_t^{(k)}\right) = \operatorname{sign}\left(x_t^{(k)}\right)$	⟶	$\operatorname{sign}\left(r_t^{(k)}\right) \neq \operatorname{sign}\left(x_t^{(k)}\right)$
54	eq (2.55)	$T + \sum_{j=1}^{i} \delta_j$	⟶	$T + \sum_{j=0}^{i-1} \delta_j$
54	Ex 2.6	$\{\delta_i\}_{i=1}^{6} = \{\ldots\}$	⟶	$\{\delta_i\}_{i=0}^{5} = \{\ldots\}$
54	Ex 2.6	$T = \sum_{i=1}^{\lceil 3/2 \rceil} \delta_i = \ldots$	⟶	$T = \sum_{i=0}^{\lceil 3/2 \rceil - 1} \delta_i = \ldots$
Chapter 3: Voltage Graph-Based QC LDPC Block Codes with Large Girth				
73	para 2	$\big(JMc,\, M((J-2)c+b)\big)$	⟶	$\big(Jc,\, (J-2)c+b\big)$
81	last eq	$N_{\mathrm{T}} = \sum_{i=1}^{c} \lvert\mathcal{T}_{i,\min}\rvert$	⟶	$N_{\mathrm{T}} = \sum_{i=0}^{c-1} \lvert\mathcal{T}_{i,\min}\rvert$
83	para 1	reordering the columns	⟶	reordering the rows
101	para 2	BP decoding algorithm	⟶	BP decoding algorithm with 60 decoding iterations
Chapter 4: Woven Graph Codes				
113	eq (4.23)	$\left(\prod_{i=0}^{s-1} 2^{j_i}(h-\widehat{m})\hat{b}2^{-j_i h\hat{c}}\right)$	⟶	$\left(\prod_{i=0}^{s-1} 2^{j_i(h-\widehat{m})\hat{b}}2^{-j_i h\hat{c}}\right)$
115	eq (4.26)	$\binom{\hat{c}l}{w/j}^{j}$	⟶	$\binom{\hat{c}M}{w/j}^{j}$
Chapter 6: MacWilliams-type Identities for Convolutional Codes				
159	eq (6.26)	$t = l,\, l+1, \ldots,\, 2l-1$	⟶	$M = l,\, l+1, \ldots,\, 2l-1$