Synthesis and Optimization of Digital Circuits

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McGraw-Hill, 1994
Errata in the 4th print (as of June 15, 2001)

- Page 79: Figure 2.21 (b)
  - *Errata:* $id = 3$ (for node 3)
  - *Corrige:* $id = 4$ (for node 3)
- Page 209: Line: 14
  - *Errata:* v_a
  - *Corrige:* v_4
- Page 209: Line: -1
  - *Errata:* Algorithm 5.5.1
  - *Corrige:* Algorithm 5.4.3
- Page 214: Line: -4
  - *Errata:* Algorithm 5.4.3
  - *Corrige:* Algorithm 5.4.4
- Page 258: Line: 14
  - *Errata:* parallel,
  - *Corrige:* serial,
- Page 290: Lines: 11-12
  - *Errata:* $p_1 = 1$ and $p_2 = 2$.
  - *Corrige:* $p_1 = 2$ and $p_2 = 3$.
- Page 309: Lines: 1-7
  - *Errata:* The third sentence in the proof.
  - *Corrige:* Hence the maximally reduced cube is: $\widetilde{\alpha} = supercube(\alpha \cap Q') = (\alpha \cap (supercube(\alpha \cap Q'))_{\alpha}) \cup (\alpha' \cap (supercube(\alpha \cap Q'))_{\alpha'}) = \alpha \cap (supercube(\alpha \cap Q'))_{\alpha}$ because $(\alpha \cap Q') \subseteq \alpha$. Since the supercube and the cofactor operators commute [4], then $\widetilde{\alpha} = \alpha \cap supercube(Q'_{\alpha})$.
- Page 326: Line: 3 in Example 7.5.8
  - *Errata:* $(\{OR, ADD\}; \{AND, JMP\})$
  - *Corrige:* $(\{OR, JMP\}; \{AND, ADD\})$
- Page 326: Line: 2 in first table of Example 7.5.8
  - *Errata:* $p_2 | (\{OR, ADD\}; \{AND, JMP\})$

– *Corrige:* $p_2|(\{OR, JMP\}; \{AND, ADD\})$

- Page 327: Line: 2
  – *Errata:*
$$\mathbf{E} = \begin{bmatrix} 1 & 0 \\ 1 & 1 \\ 0 & 0 \\ 0 & 1 \end{bmatrix} \tag{1}$$
  – *Corrige:*
$$\mathbf{E} = \begin{bmatrix} 1 & 0 \\ 1 & 1 \\ 0 & 1 \\ 0 & 0 \end{bmatrix} \tag{2}$$
- Page 327: Line: 3 in table of Example 7.5.9
  – *Errata:* $d_3|(\{OR, JMP\}; \{AND, OR\})$
  – *Corrige:* $d_3|(\{OR, JMP\}; \{AND, ADD\})$
- Page 370: Line: -2
  – *Errata:* ba_xde
  – *Corrige:* a_xde
- Page 381: Line: -2
  – *Errata:* y_4 and y_3
  – *Corrige:* z_1 and z_2
- Page 426: Line: 13
  – *Errata:* controlling
  – *Corrige:* non-controlling
- Page 493: Line: -7
  – *Errata:* $\mathcal{S}_{x,\widehat{p},\widehat{q}}(\chi(x,p,q,\widehat{p},\widehat{q})\ )\widehat{p}'\widehat{q}' \ = \ \mathcal{S}_{x,\widehat{p},\widehat{q}}(\widehat{p}'\widehat{q}'(x'p'q)) \ = \ p'q$
  – *Corrige:* $\mathcal{S}_{x,\widehat{p},\widehat{q}}(\chi(x,p,q,\widehat{p},\widehat{q})\ \widehat{p}'\widehat{q}') \ = \ \mathcal{S}_{x,\widehat{p},\widehat{q}}(\widehat{p}'\widehat{q}'(x'p'q)) \ = \ p'q$
- Page 548: Lines: 15-16
  – *Errata: ICCAD, Proceedings of the International Conference on Computer Aided Design*
  – *Corrige: ICCD, Proceedings of the International Conference on Computer Design*