

Errata : Algebraic Combinatorics on Words

This document contains errata for the book *Algebraic Combinatorics on Words*. Page and line numbers refer to the printed version. Please report errors to the author of the chapter or to one of the editors.

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Sturmian Words

page 56, eq. (2.1.7)

replace $\dots < 1 + \rho + v_n$ by $\dots < 1 + \beta + v_n$. (Kwon, Doyong)

page 56, line 7

replace $(x + y, x)$ by $(x + y, y)$. (Kwon, Doyong)

page 57, line 8

replace $R^{n+i}(\rho)$ by $R^{n+k}(\rho)$ and replace $R^{-i}(I_{b_i})$ by $R^{-k}(I_{b_i})$. (Kwon, Doyong)

page 61, last paragraph of the proof of Proposition 2.1.18

It should read: "... We may suppose that $\beta < \alpha$. For any factor u of s such that $(\alpha - \beta) \geq 2/|u|$, one has $\pi(u) - \alpha > -1/|u|$ by Proposition 2.1.10 whence $\pi(u) - \beta = (\pi(u) - \alpha) + (\alpha - \beta) \geq 1/|u|$ showing that ...". (K. Saari, Kwon, Doyong)

page 67, line -13

Replace "if follows" by "it follows". (Kwon, Doyong)

page 72, line 4

Replace $(x, y), (x', y')$ by $(y, x), (y', x')$. (Kwon, Doyong)

page 79, line 10

w^d is a *left* special factor. (C. Reutenauer)

page 83, line 3

$\mu() = \frac{1}{N} \dots$. (C. Reutenauer)

page 92, lines 14–15

Replace φ by G and $\tilde{\varphi}$ by \tilde{G} (twice each). (C. Reutenauer)

page 99, line 1

Replace “only $1 - \alpha$ ” by “only if $1 - \alpha$ ”. (Kwon, Doyong)

page 108, line -16

... the infinite word $01^{k_0}01^{k_1}01^{k_2} \dots$. (C. Reutenauer)

Numeration Systems**page 243, line 5**

Replace $f_{F(Y^*)}$ by f_{Y^*} . (Kwon, Doyong)

page 251, lines 23–24

Remove the first sentence. (G. Skordev)

References**page 491**

The correct subtitle of Morse and Hedlund (1940) is : II. Sturmian trajectories, and the volume is **62**. (C. Reutenauer)