

ERRATA

How Many Loops Kolam Loop Pattern Consists of

Shojiro Nagata

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There are errors at the following paper:

“How Many Loops Kolam Loop Pattern Consists of” by Shojiro Nagata in *Forma*, Vol. 30, No. 1, pp. 9–18, 2015.

p. 17, right column, the lines 1, 2, and 3 from the bottom:

Sentences:

Note the rank of $[mq_2]$ is calculated using arithmetic modulo 2 as an example of $ma = [[0,1,1][1,0,1][1,1,0]]$, $mq_2 = [[0,1,1][1,0,1][1,1,0]]$, the rank of $mq_2 = 2$, and then the nullity ($=3-2$) means 1 loop of ma .

should be changed to:

Note the rank of $[mq_2]$ is calculated using arithmetic modulo 2 as an example of $ma = [(0, 1, 1), (1, 0, 1), (1, 1, 0)]$, $mq_2 = [(0, 1, 1), (1, 0, 1), (1, 1, 0)] \Rightarrow$ (row reduced) $[(1, 0, 1), (0, 1, 1), (0, 0, 0)]$. The rank of $mq_2 = 2$, and then the nullity ($3 - 2 = 1$) means 1 loop of the medial graph of the planar graph representing the matrix ma .

p. 18, left column, the matrix mi in the middle:

$$mi = \begin{matrix} & e1 & e2 & e3 & e4 \\ \begin{matrix} v1 \\ v2 \\ v2 \\ v4 \\ v4 \\ v6 \end{matrix} & \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 1 & 0 & 0 & 0 \end{bmatrix} \end{matrix},$$

should be changed to:

$$mi = \begin{matrix} & e1 & e2 & e3 & e4 \\ \begin{matrix} v1 \\ v2 \\ v3 \\ v4 \\ v5 \\ v6 \end{matrix} & \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 1 & 0 & 0 & 0 \end{bmatrix} \end{matrix},$$