## Erratum:

# Finding and counting given length cycles 

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As noted by Eran Schweitzer [2], there are typos in equation 12 in [1], page 220, providing the expression for $n_{G}\left(H_{9}\right)$, and in the expression for $B_{i}$ given in the second half of equation 18, page 221. The correct expressions are as follows:

$$
n_{G}\left(H_{9}\right)=\sum_{i=1}^{n}\left(d_{i}-2\right) \sum_{j \neq i}\binom{a_{i j}^{(2)}}{2}-2 n_{G}\left(H_{6}\right),
$$

and

$$
B_{i}=\frac{1}{2}\left[a_{i i}^{(5)}-5 a_{i i}^{(3)}-2 a_{i i}^{(3)}\left(d_{i}-2\right)-2 \cdot \sum_{(i, j) \in E} a_{i j}^{(2)}\left(d_{j}-2\right)-2 \cdot \sum_{(i, j) \in E}\left(\frac{1}{2} a_{j j}^{(3)}-a_{i j}^{(2)}\right)\right] .
$$

We thank Eran Schweitzer for pointing out these inaccuracies.

## References

[1] N. Alon, R. Yuster and U. Zwick, Finding and counting given length cycles, Algorithmica 17 (1997), 209-223.
[2] E. Schweitzer, Private communication, 2015.

