

# Errata for [1]

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The last display of the proof of Claim 1 in [1] should be:

$$\begin{aligned}\tilde{R}_{ji}^{(1)} &:= a \sum_{k \notin S \cup \{i,j\}} R_{jk}^{(d)} R_{ki}^{(d)} + a \sum_{k \in S} \tilde{R}_{jS} \tilde{R}_{ki}^{(d)} + (1-a) R_{ji}^{(d)} \\ &= a \sum_{k \notin S \cup \{i,j\}} R_{jk}^{(d)} R_{ki}^{(d)} + a \tilde{R}_{jS} R_{(n+1)i}^{(d)} + (1-a) R_{ji}^{(d)},\end{aligned}$$

so that  $\tilde{R}_{ji}^{(1)} = R_{ji}^{(1)}$  by (4); where, again,  $\tilde{R}_{jS} \in [R^{\min}, R^{\max}]$  is the putative reputation of  $j$  from the point of view of each sybil identity  $k \in S$ .

## REFERENCES

- [1] G. Kesidis, A. Tangpong and C. Griffin. A sybil-proof referral system based on multiplicative reputation chains. *IEEE Comm. Letters*, Nov. 2009.