CORRECTION

Correction to: Improved Singleton bound on frequency hopping sequences and optimal constructions

Xing Liu[1,2] · Liang Zhou[1]

Correction to: Des. Codes Cryptogr.
https://doi.org/10.1007/s10623-018-0572-4

The original version of this article contains an error. The presentation of Eq. (14) and an expression in Lemma 4 are incorrect. The correct version is given below.

On Section 2, New bound on FH sequences, the Eq. (14) should be

$$
\begin{aligned}
f(\gcd(H_m + 1, N)) &= \sum_{d \mid \gcd(H_m+1,N)} g(d) = \sum_{d \mid \gcd(H_m+1,N)} \sum_{d' \mid d} \mu(d') f\left(\frac{d}{d'}\right) \\
&= \sum_{\substack{d \mid \gcd(H_m+1,N),\, d' \mid d \\ d \neq \gcd(H_m+1,N)}} \mu(d') f\left(\frac{d}{d'}\right) \\
&\quad + \sum_{d' \mid \gcd(H_m+1,N)} \mu(d') f\left(\frac{\gcd(H_m + 1, N)}{d'}\right).
\end{aligned}
\tag{14}
$$

In other words,

$$
d \mid \gcd(H_m + 1, N), \qquad \sum_{\substack{sum \\ d \mid gcd(H_m+1,N) \\ d6=gcd(H_m+1,N)}} d \neq \gcd(H_m + 1, N)
$$

The original article can be found online at https://doi.org/10.1007/s10623-018-0572-4.

✉ Xing Liu
  liuxing4@126.com

  Liang Zhou
  lzhou@uestc.edu.cn

[1] National Key Laboratory of Science and Technology on Communications,
  University of Electronic Science and Technology of China, Chengdu 611731, China

[2] College of Electrical Engineering and Information Technology, Sichuan University, Chengdu 610065, China

should be rewritten as

$$\sum_{\substack{d\,|\,\gcd(H_m+1,N),\\ d\neq\gcd(H_m+1,N)}}$$

On proof of Lemma 4, "Let $\bar{n}$ is" should be "Let $\bar{n}$ be".

The original article has been corrected.

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