FP/BA/MA:

Improving an Optical Fault Injection Setup

Description:

Fault attacks pose a serious threat to the implementation of cryptographic algorithms, as they can be performed using even low cost equipment [1]. Usually localized semi invasive optical fault attacks are considered out of reach for attackers with a limited budget. But as shown by [2] it is indeed possible to carry out this kind of attacks. Your objective would be to improve the existing open-fi\(^1\) setup in terms of spatial and temporal resolution.

References


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\(^1\)https://github.com/open-fi/fault-injector/