Chair of Security in Information Technology
TUM Department of Electrical and Computer Engineering
Technical University of Munich

TUM

Bachelor's Thesis, Ingenieurspraxis, Interdisciplinary Project

Toggle Analysis Framework

Toggle Analysis is commonly used to evaluate if a hardware design does provide exploitable leakage i.e. leakage is modeled using information based on the toggle count.

In this work, a existing toggle analysis framework should be enhanced using a compiled language.

https://link.springer.com/chapter/10.1007/978-3-642-42033-7_25

Prerequisites

- Python
- C/Rust/WhateverAsLongAsItIsFast
- Verilog / VHDL

Advisors

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