Starting off the thread for ZK resources.

Start Here

- [ZK Hack](#) Whiteboard Sessions

- [Ingopedia](#) [ignoyama]

- [Zero Knowledge Canon](#), part 1 & 2 [a16z crypto]

- [An approximate](#) introduction to how zk-SNARKs are possible [Buterin, 2021]

- [@Siny7](#) Notes

- [Lecture 2](#): Overview of Modern SNARK Constructions (Part 1)[Boneh, et al.]

- [Zero Knowledge Proofs](#): An illustrated primer [Green, 2014]

- [Learn](#) dot 0xparc dot org [0xParc, 2023]

ZK-VM

- [Overview](#) of RISC Zero zkVM

- [RISC Zero ZKP](#) Sequence Diagram and Spec

- [ZK HACK III](#): Building On-chain Apps Off-chain Using RISC Zero

- [OlaVM](#): An Ethereum compatible ZKVM

- [=nil;](#) zkLLVM Circuit Compiler. [Kaskov, Komarov, 2023]

- [Zero-knowledge](#) Virtual Machines, the Polaris License, and Vendor Lock-in [Wei Jie, 2021]

ZK-EVM

- [Ethereum](#): A Secure Decentralized Generalized Transaction Ledger, Berlin Version [Wood, 2022]

- [Ethereum](#): A Next-Generation Smart Contract and Decentralized Application Platform [Buterin, 2014]

- [You think](#) the EVM is slow? [[@gakonst](#), 2022]

- [Taiko](#): A Decentralized Ethereum-Equivalent ZK-Rollup

- [Taiko](#) ZK-EVM Specs

- [PSE](#) ZK-EVM

- [Introducing Scroll](#) – Technical principles

- [An overview](#) of Scroll's architecture

- [Starknet Docs](#): Simplified transaction flow

- [A Guide](#) to AppliedZKP zkEVM Circuit Code [@sin7y

, 2022]

- [The Go Fast Machine](#): Adding Recursion to Polygon zkEVM

- [ZK7](#): zkEVM circuit arithmetization [Ye Zhang, 2022]

Hardware Acceleration

- [Cryptography](#) for Secure Computing: A New Hardware Acceleration Opportunity [Gao, 2021]

- [Hardware](#) Acceleration for Zero Knowledge Proofs [[Konstantopoulos, 2022]

- [Introducing Ingonyama](#) - Lowering the Barrier of Entry to ZKP [Igonyama, 2022]

- [ZK8](#): Fantastic Beasts: unfolding ZK hardware [Shlomovits, 2022]

- [Sparkworks](#): Cloud-ZK FPGA acceleration by running Arkworks Groth16 over the BN254 curve [ignonyama, geometry, 2022]

- [Hardware](#) acceleration for FHE [Verbauwhede, 2022]